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DEPARTMENT OF MARINE AND FISHERIES, CANADA.
METEOROLOGICAL SERVICE.

Monthly Weather Review

VOL. XXXVIII.

JULY, 1914

No. 7

INTRODUCTION.

In compiling the present Review, the principal data made use of are the telegraphic reports of observations received at this office for the purpose of weather forecasting, and reports by mail from voluntary observers and storm-signal agents. For the data used in tracing the paths of areas of high and low pressure in the United States, we are indebted to the Chief of the Weather Bureau, Washington, D.C.

LOW AREAS.

Ten areas of low pressure were sufficiently defined to admit of their paths being approximately charted, while there were other very minor ones which could not be accurately plotted. Eight of the areas were first indicated in the neighborhood of the Rocky Mountain districts of Alberta, Montana and Idaho; of the remaining two one appeared near James Bay, the other off the South Carolina coast.

The systems were all of feeble intensity, while six of those from the northwest portion of the continent apparently travelled to the Hudson Bay region. No gales were experienced in the settled portions of Canada, and there was but little rain generally.

HIGH AREAS.

Seven areas of high pressure were charted. Five first moved on to the continent between the 45th and 55th parallels of latitude, while the others were first shewn near Hudson's Bay. The systems were of the usual feeble summer type of areas.

ATMOSPHERIC PRESSURE.

From Southern Alberta to the Atlantic coast the mean atmospheric pressure at the telegraph stations was higher than normal, except at Winnipeg, Ottawa, and at Chatham, N.B., where the normal was just reached. In Southern British Columbia also the pressure was in excess, but in the northern interior and on the north coast of the same province, as well as in the northern portions of Saskatchewan, there was a deficiency.

GENERAL SYNOPSIS OF TEMPERATURE AND PRECIPITATION.

The following table is intended to show the average values of temperature and precipitation for each province for the month under review. District and Provincial means would, under ideal conditions, be derived from stations situated in equi-areal squares. But since in reality they are so situated as to appear, rather, constellation-wise upon the map, anomalous values arising from local topographical peculiarities may have received more than their just weight in the computation of the following averages.

Where no difference from normal is assigned, observations over a period long enough for reference are not available.

PROVINCE AND DISTRICT.	TEMPERATURE (FAHR.).						PRECIPITATION.				STATION DIFFERENCES FROM NORMAL TEMPERATURE
	Mean Daily.	Mean Daily Maximum.	Mean Daily Minimum.	Mean Daily Range.	Extreme Highest.	Extreme Lowest.	Total in Inches.	Difference from Normal.	Number of Days	Greatest Fall.	
BRITISH COLUMBIA—											
South Vancouver Island....	62.0	73.0	51.0	22.0	94	36	0.24	—65	3	0.60	+1°
North Vancouver Island....	60.0	68.0	51.0	17.0	85	38	1.45	....	11	0.79	+1°
Lower Fraser River.....	64.0	76.0	51.0	25.0	92	35	0.33	—84	3	0.45	—2° to +3°
Upper Fraser River.....	59.0	73.0	46.0	27.0	94	31	2.21	....	10	0.83	—2° to —4°
Okanagan and Similkameen Valleys.....	68.0	81.0	52.0	32.0	99	34	0.55	—70	3	0.75	+2°
West Kootenay.....	67.0	82.0	51.0	31.0	101	31	1.06	—55	5	1.26	+2° to +3°
East Kootenay.....	65.0	82.0	49.0	33.0	93	34	1.31	....	6	0.69	+3° at Elkton
Thompson River.....	68.0	84.0	52.0	32.0	102	35	0.79	—60	5	0.71	+1° to +3°
North Columbia River....	62.0	76.0	48.0	28.0	95	36	1.09	—50	5	1.05	+2°
North Coast.....	56.0	62.0	50.0	12.0	79	36	9.87	....	22	2.02	—5°
Queen Charlotte Islands....	56.0	62.0	49.0	13.0	71	43	7.15	+110	18	3.73	—0 5°
ALBERTA—											
North Saskatchewan River.	54.0	78.0	49.0	28.0	98	32	1.98	—32	9	1.20	+2°
The Red Deer River.....	63.0	79.0	48.0	31.0	96	33	1.75	—33	9	0.83	+1° to +2.5°
The Bow River.....	67.0	84.0	50.0	34.0	104	30	0.87	—60	1	1.96	+3° to +7°
Athabasca River.....	....	....	....	....	....	....	....	....	....	....	....
Peace River.....	....	....	....	....	....	....	....	....	....	....	....
SASKATCHEWAN—											
Qu'Appelle River.....	69.0	84.0	55.0	29.0	104	39	1.85	—23	7	3.10	+5° to +8°
S. Saskatchewan River.....	69.0	86.0	52.0	34.0	101	37	0.58	—75	7	0.34	+4° to +7°
N. Saskatchewan River.....	66.0	81.0	51.0	30.0	102	34	1.01	—50	4	0.95	+5 5° at Battleford
Saskatchewan Forks.....	68.0	82.0	54.0	28.0	99	39	1.13	—50	8	1.06	+6°
Lower Saskatchewan River	66.0	79.0	53.0	26.0	93	42	2.21	....	8	1.17	....
MANITOBA—											
Qu'Appelle and Assiniboine Rivers.....	71.0	84.0	53.0	26.0	107	40	1.92	—5	9	1.39	+5° to +9°
The Red River.....	71.0	84.0	53.0	26.0	100	43	4.07	+60	8	5.26	+6°
Dauphin Lake and River....	70.0	82.0	57.0	25.0	97	36	2.40	....	10	0.68	....
ONTARIO—											
Lake Superior Districts—											
Rainy River.....	68.0	81.0	56.0	25.0	98	35	3.32	....	10	1.70	....
Thunder Bay.....	62.0	76.0	49.0	27.0	92	32	3.05	+5	10	1.60	+1°
Algoma.....	64.0	79.0	49.0	30.0	97	28	1.47	....	7	0.83	+1° at White River
Nipissing.....	65.0	79.0	51.0	28.0	94	37	1.48	....	9	0.46	+0° at Haileybury
Upper Ottawa River.....	65.0	81.0	50.0	31.0	94	37	1.22	—64	7	0.54	0° to —1°
Upper St. Lawrence and Ottawa Rivers.....	68.0	79.0	57.0	22.0	95	38	1.70	—60	6	0.83	—2° to +3°
Georgian Bay Counties.....	65.0	77.0	53.0	24.0	92	35	1.27	—55	6	1.15	+1° to —2°
Lake Huron Counties.....	67.0	77.0	57.0	20.0	90	40	1.52	—45	6	0.75	—1°
Lakes St. Clair & Erie, Niagara Peninsula.....	70.0	81.0	60.0	21.0	95	42	1.76	—40	6	1.64	—2° to +2°
West Central Counties.....	69.0	81.0	57.0	24.0	94	39	1.07	—60	6	0.89	+1°
Lake Ontario Counties.....	69.0	80.0	59.0	21.0	95	43	0.74	—75	7	0.65	+1°
East Central Counties.....	68.0	80.0	55.0	25.0	93	37	1.23	—75	5	1.90	—1° to +1°
QUEBEC—											
Middle St. Lawrence.....	65.0	76.0	54.0	22.0	96	36	1.96	—60	9	1.90	0° to —5°
Lower St. Lawrence & Gulf.	60.0	70.0	50.0	20.0	91	36	1.57	—59	7	0.85	—1° to +1°
Lake St. John.....	64.0	77.0	52.0	25.0	98	35	1.66	....	12	1.17	+2° at Chicoutimi
Northwestern Districts....	66.0	81.0	51.0	30.0	100	32	1.80	....	6	1.04	+1.7° at Abouibi
NEW BRUNSWICK—											
All Stations.....	63.0	74.0	52.0	22.0	90	35	2.36	—28	7	2.10	+1° to —2.5°
NOVA SCOTIA—											
All Stations.....	62.0	73.0	51.0	21.0	88	34	2.20	—40	8	2.24	—2° to —5°
PRINCE EDWARD ISLAND—											
All Stations.....	63.0	72.0	54.0	18.0	82	37	2.50	—30	9	0.93	—2°

WINDS, JULY, 1914

PROVINCES AND STATIONS.	Total Mileage.	Greatest Mileage in 24 hours.	Greatest Mileage in 1 Hour			Number of Days of			GENERAL DIRECTION
			Miles	Direction	Date	Gales	Strong Winds	Fresh Winds	
BRITISH COLUMBIA.									
Atlin.....									SW
Prince Rupert.....									
Victoria.....	10811	702	44	SW	19	7	18	6	
Point Garry.....									
Vancouver.....									
Kamloops.....	2349	142	11	SE	5				
ALBERTA.									
Edmonton.....	5140	480	30	NW	15	1	6	13	NW
Calgary.....	3774	261	22	NW	21		2	10	NW
SASKATCHEWAN.									
Battleford.....									W
Prince Albert.....									
Swift Current.....	8396	568	33	SW	1				
Qu'Appelle.....	7053	533	28	W	22		9	17	
MANITOBA.									
Le Pas.....									
Winnipeg.....	8202	515	28	SE	5		12	18	
ONTARIO.									
Port Arthur.....	5389	311	25	W	16		3	18	E,NW
White River.....	2679	214	19	W	16		1	6	
Cochrane.....	5336	322	21	SW	16		1	16	SW
Parry Sound.....	3974	228	16	SW	17			7	
Southampton.....	4912	317	21	NE	28		2	12	S,NW
Pelee Island.....									NW
*Woodstock.....	5712	292	20	NW,SW	18-23		3	19	
Guelph.....									NE
Toronto.....	6701	408	24	NE	27		8	18	
Kingston.....	5513	355	22	S	22		3	12	
Stonecliffs.....	2569	209	15	W	17				
Ottawa.....									
QUEBEC.									
Montreal.....	6909	314	19	NW	21		1	22	N
Sherbrooke.....									SW,NE
Quebec.....	7221	410	30	NE	29	1	12	15	
Father Point.....									SE
Anticosti,SW.....	7548	458	26	S	17		14	12	
Harrington.....	13322	479	35		23	3	22	6	
NEW BRUNSWICK									
Pt. Escuminac.....	8087	465	30	W	23	1	11	16	S
Frasericton.....	4531	277	20	SW	14		2	19	W
St. John.....	4884	347	26	SW	8-14		4	17	S
Pt. Lepreaux.....	6801	411	31	SW	14	1	13	11	
NOVA SCOTIA									
Yarmouth.....	6636	488	27	SW	22		8	19	SW
Wolfville.....	5737	482	27		18		4	17	W
Halifax.....	7136	455	29	SW	21		9	18	W
Sable Island.....	10985	554	29	SW	8		10	10	SW,NE
Flat Point.....	7075	483	29		23		16	12	W,SE
PRINCE EDWARD ISLAND									
Charlottetown.....	4558	280	19	SW	21		1	14	SW

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA. JULY, 1914.

*Stations not furnished with Registering Thermometers.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE.							PRECIPITATION.							
				Mean.	Difference from average.	Yr's Observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days	No. of auroras	No. of thunderstorms.	No. of fogs
BRITISH COLUMBIA—																		
S. Vancouver Island																		
Alberni (Beaver Creek).....	49 15	124 49	300	53.6	-1.6	19	94.0	18-19	36.0	30	32.3	0.31	-0.65	0.27	3	28		
Clayoquot.....	49 11	125 55	27	58.8	+0.6	15	75.0	17-18	44.0	26-29	19.7	1.05	-0.96	0.60	3	28		
Clo-oose.....	49 40	124 50		55.4		2	68.0	1-16	42.0	29	13.5	0.22		0.12	5	26		
Cobble Hill.....			33	60.5		1	79.5	19	41.0	28	21.7	0.11		0.07	3	28		
Cowichan (Tzouhalem).....	48 25	123 42	170	53.9	+0.6	10	85.0	17	42.2	29	23.6	0.15	-0.49	0.07	4	27		
Departure Bay.....	49 40	124 0		65.2		2	86.2	17	45.5	27	21.5	0.07		0.04	3	28		
Gillis Bay.....	49 40	124 32		63.0		2	83.0	2-31	43.9	27	23.2	0.26		0.26	1	30		
James Island.....				61.8		1	80.5	18	44.5	26	19.9	0.02		0.02	1	30		
Ladysmith.....	48 57	123 39		62.6		2	82.0	11-17	42.0	26	23.7	0.38		0.24	3	28		
Lazo (Little River).....	49 44	124 54	12	62.4		1	79.5	19	42.5	28	18.4	0.32		0.30				
Nanaimo.....	49 10	123 37	125	64.1	+1.3	14	85.0	17	48.8	27	15.9	0.10	-0.65	0.06	5	25		
Nanoose Bay.....	49 17	124 12	130	62.5		3	85.0	17	42.0	27-28	23.6	0.16		0.13	2	29		
Qualicum Beach.....				62.4		1	84.0	19	41.6	28	23.9	0.28		0.26	2	29		
Salt Spring Island.....	48 50	123 20		62.6		5	83.0	18	45.0	28-31	21.8	0.12		0.07	5	26		
Shawnigan Lake.....	48 37	123 41		69.2		2	88.0	17-18	42.0	27-28	26.8	0.11		0.06	3	28		
Sidney.....	48 27	123 27	200	63.5		1	85.5	18	44.0	28	23.6	0.13		0.12	2	29		
Sooke.....	48 41	123 44	25	59.5		4	82.0	17	39.0	30	23.0	0.06		0.06	1	30		
Victoria.....	48 24	123 19	55	59.7	-1.2	22	80.3	17	48.2	6	15.8	T	-0.35	T	0	31		
N. Vancouver Island																		
Alert Bay.....	50 33	127 0		57.2		1	74.0	4-5	38.0	2-9	19.3	1.25		0.30	13	18		
Holberg.....	50 39	128 18		58.5		6	78.0	3	41.0	26	15.3	3.56		0.79	14	17		
Mary Island.....				63.7		1	85.0	17	46.0	26	18.8	0.31		0.13	5	26		
Quatsino.....	50 32	127 40		58.9	+1.4	19	74.0	15-18	41.0	26	17.0	0.74	-2.32	0.18	12	19		
Triangle Island.....	50 52	129 5	680															
Lower Fraser River																		
Agassiz.....	49 14	121 31	62	62.1	-1.9	22	87.0	17	59.0	28	30.7	0.15	-2.15	0.12	2	29		
Britannia Beach.....	49 39	123 5	165	59.8		1	79.0	2-18	40.0	28-29	23.7	0.48		0.15	5	26		
Chilliwack.....	49 10	121 57	21	63.2	-0.9	14	88.0	18	35.0	28	26.1	0.17	-1.86	0.08	5	26		
Hope.....	49 25	121 25	500	65.3		5	90.5	18	45.0	28	23.8	0.11		0.06	3	28		
Ladner.....	49 05	123 4		62.5	+1.0	14	78.0	18	47.0	31	19.5	0.35	-0.78	0.20	2	29		
New Westminster.....	49 13	122 54	330	64.1	+1.6	27	85.4	18	45.0	28	22.7	0.56	-0.75	0.31	3	28		
North Nicomen.....	49 12	122 2	59	64.7	+0.1	22	87.0	18	45.0	28	23.2	0.08	-1.06	0.05	2	29		
Pemberton Hatchery.....	50 20	122 33		64.9		6	91.0	2-18	40.0	27-29	31.8	0.34		0.21	4	27		
Pemberton Meadows.....	50 29	122 40		64.4		2	92.0	2	35.0	29-30	33.8	0.28		0.16	3	28		
Ruskin (Stave Falls).....	49 16	122 23	125	65.9		5	91.5	19	41.0	28	29.1	0.87		0.45	5	26		
Stevedon (Garry Point).....	49 21	123 17		61.6	+3.3	19	78.0	19	40.0	28	19.1	0.13	-0.81	0.10	3	28		
Vancouver.....	49 17	123 5	136	63.5	+0.4	14	79.9	17	47.0	30	19.8	0.42	-1.20	0.26	4	27		
Upper Fraser River																		
Babine Lake.....	55 38	126 26		52.6		6	75.0	14	31.0	26	24.8							
Barkerville.....	53 02	121 35	4180	52.1	-2.9	26	74.0	31	32.0	16-20	22.9	4.69	+1.69	0.80	17	14		
Chilcotin (Big Creek).....	51 40	120 50	3100	57.0	-1.6	11	81.0	18-31	31.0	30	29.2	0.70	-0.68	0.16	9	22		
Cranberry Lake (South Frk).....	119 20	52 50	2460			1												
Fifteen Mile Ranch (Pavilion).....	50 40	120 50		69.7		1	94.0	12-18	41.5	27	27.4	0.44		0.22	2	29		
Fort George.....						2												
Fort St. James (Stuarts Lake).....	54 28	124 12	2280	55.1	+0.6	18	84.0	1	31.0	5	39.7	2.75	+1.53	0.36	18	13	3	3
Hydraulic.....	52 42	122 5		60.0		2	87.0	30	35.0	29	30.9	2.47		0.53	15	16	3	3
Quesnelle.....	52 59	122 30	1700	58.0	-4.2	19	88.0	1	39.0	20	24.9	2.76	+1.26	0.52	10	21	4	
Okanagan and Similkameen Valleys																		
Duck Lake Ranch.....	50 3	119 20	1400	69.1		2	99.0	31	44.0	21-28	35.2	0.21		0.21	1	30		
Hedley.....	19 35	120 10	1771	69.4		9	95.0	2-18	46.0	27	30.9	0.86		0.44	3	28		
Hedley (Nickel Plate).....	49 20	119 59	4500			8												
Keremeos.....	49 15	120 0	1372	71.3		5	91.0	30	53.0	27	21.2	0.49		0.27	4	27		
Kelowna (Okanagan Mission).....	49 15	119 29	1200	68.6	+2.1	16	94.0	3 8	40.0	29	31.7	0.20	-0.56	0.20	1	30	2	3
Kelowna (Bankhead Cre'd).....						1												
Penticton.....	49 29	119 35		69.6		3	98.0	18	44.0	21-27	31.9	0.35		0.26	4	27		
Princeton.....	49 29	120 29	1650	64.6	+1.7	17	95.0	30	35.0	28	37.8	0.21	-0.89	0.10	3	28	1	
Richlands.....	50 18	118 35		62.3		2	95.0	31	34.0	29	37.2	1.74		0.75	7	24	5	
Summerland.....	49 36	119 40	1100	69.6		8	94.0	31	45.0	21	26.3	0.25		0.25	1	30	1	
Vernon (Coldstream Ranch).....	50 14	119 15	1682	68.6	+2.3	21	96.0	31	42.0	28	32.5	0.62	-0.68	0.36	4	27		
West Kootenay																		
Boswell.....	49 19	116 41		68.0		2	91.5	0-12	44.5	16-21	25.4	0.95		0.53	4	27	2	
Crawford Bay.....	49 45	116 45	2000	67.2		3	91.0	31	44.0	20-21	29.8	1.00		0.49	6	25		
Creston.....	49 6	116 33	1985	66.8		2	95.0	31	40.0	20	30.4	0.69		0.56	2	29	1	
East Arrow Park.....			1413	65.0		1	91.0	31	41.0	29	31.1	1.41		0.45	6	25	4	
Fauquier.....	49 54	118 6		65.7		2	99.0	3	38.0	16	36.6	0.40		0.17	5	26		
Grand Forks.....	49 2	118 27	1746	70.1		4	101.0	31	41.0	21	36.9	0.45		0.30	3	28		
Greenwood.....	49 1	118 6	2400	61.2		4	99.0	30	31.0	20	43.1	0.49		0.34	4	27		
Howser.....	50 18	117 0		66.8		2	91.0	31	43.0	16	28.9	1.51		0.63	7	24		
Kaelo.....	49 52	117 0	1752	64.6		3	90.0	31	41.0	20	27.3	1.17		0.55	6	25		
Nakusp.....	50 14	117 49		64.0		2	89.0	3-31	39.0	16	28.6	1.57		0.40	6	25		
Nelson.....	49 29	117 21	1760	68.8	+2.2	12	94.0	29	43.0	16-22	31.6	1.65	-1.87	0.40	5	26	2	1
Pend d'Oreille (Waneta).....			2260	67.8		2	100.0	31	36.0	21	35.1	1.36		0.43	5	26		
Perry Siding.....	49 5	117 48	1700	68.8		2	102.0	31	39.0	20	35.2	0.98		0.34	8	23	2	
Rossland.....	49 5	117 48	3400	66.4	+3.1	10	92.0	31	41.5	21	22.8	0.78	-0.32	0.45	4	27	2	
Westley.....	49 20	117 45	1414	60.6		1	93.5	9	41.0	21	33.1	1.48		1.26	5	26	2	
East Kootenay																		
Cranbrook.....	49 30	115 50		64.5		6	97.0	31	34.0	16	38.6	0.97		0.45	5	26		
Fernie.....	49 30	115 3	3305	62.9		1	91.0	13	35.0	16	32.5	1.45		0.51	10	21		
Fruitlands (Elko).....	49 1	115 5	2684	69.1	+2.6	10	98.0	20-31	40.0	16-21	34.3	0.90	-0.65	0.31	4	27	2	
Gateway.....				63.6		1	93.0	31	37.0	16-21	33.7	1.00		0.46	4	27		
Invermere.....	50 30	116 2	2650	64.6		2	95.0	31	42.0	16-26	33.3	1.57		0.69	6	25		
Wilmer.....	50 34	116 14	3300	64.4		5	89.0	20-31	33.0	17	28.9	1.96		0.59	7	24	3	
Thompson River																		
Armstrong.....	50 26	119 11		65.4		2	94.5	3	35.0	29	35.1	0.98		0.31	5			

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JULY, 1914.

*Stations not furnished with Registering Thermometers

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE							PRECIPITATION			Days with 0.1 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.	
				Mean.	Difference from average.	Yr's Observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.						Heaviest fall in month.
BRITISH COLUMBIA—Con.																			
Monte Creek.....	50 35	119 59	1156	69.0	—	2	97.0	30	41.0	28	31.4	0.58	—	0.43	4	27	2	..	
Nicola Lake.....	50 9	120 39	2120	63.5	+ 1.2	19	89.0	31	41.0	16-29	28.4	0.04	-0.92	0.0	2	25	1	..	
Salmon Arm.....	50 42	119 35	1152	67.0	—	9	95.0	3	40.0	29	29.7	0.73	—	0.23	4	27	2	..	
Salmon Arm (Exp. Farm).....	..	..	..	67.3	—	4	96.0	3	40.0	28	34.2	0.76	—	0.55	4	27	2	..
Tappen.....	..	..	1350	71.9	—	2	102.0	3-11	42.0	29	38.8	0.69	—	0.32	4	27	3	..
Tranquille.....	50 41	120 29	..	71.0	—	6	100.0	1	39.0	21	30.4	0.75	—	0.27	4	27	1	..	
Vancouver.....	51 36	119 45	1450	63.5	—	1	94.0	30-31	37.0	15-29	32.7	1.87	—	0.11	12	19	2	..	
North Columbia River																			
Glacier.....	51 14	117 29	4072	57.5	+ 0.5	13	83.0	4-11	36.0	16	23.0	1.8	-0.53	1.65	6	25	2	..	
Golden.....	51 0	118 6	1476	65.4	+ 2.1	13	93.0	31	38.0	29	30.2	0.42	-0.95	0.15	4	27	2	..	
Revelstoke.....	51 16	116 5	2550	65.1	+ 2.1	14	93.0	4	42.0	29	29.9	0.97	-1.62	0.79	4	27	1	..	
North Coast																			
Bella Coola.....	52 40	126 54	150	58.3	- 3.7	17	79.0	1	43.0	29	12.5	3.31	+0.64	0.72	14	17	..	1	
Prince Rupert.....	54 18	130 18	170	54.9	- 2.5	6	66.0	30	48.0	3-27	8.3	17.25	—	2.02	26	5	..	1	
Stewart.....	56 1	130 1	215	53.0	—	4	73.0	4	36.0	9	14.4	9.66	—	1.28	26	5	..	1	
Terrace.....	54 30	128 30	545	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Welcome Harbour.....	53 55	130 22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queen Charlotte Islands																			
Ikeda Bay.....	52 17	131 7	5	54.6	—	6	64.0	12	43.0	3	11.8	8.22	—	3.73	14	17	..	1	
Masset.....	53 58	132 9	10	56.6	- 6.3	17	71.0	10	45.0	20-31	15.6	6.07	+3.18	1.15	22	9	..	..
Yukon Boundary																			
Atlin.....	69 35	133 38	2240	50.0	—	8	63.0	10-11	34.0	4-5	15.8	0.66	—	0.15	16	21	..	..
YUKON—																			
Carcross.....	60 11	134 34	2171	59.4	—	7	67.0	10-29	32.0	5	19.1	1.02	—	0.43	11	20	..	..
Dawson.....	64 4	139 29	1200	57.1	- 0.8	13	84.0	16	32.0	3-7	28.1	1.73	+0.61	0.39	6	25	..	..
ALBERTA—																			
N. Saskatchewan River																			
Campsie.....	54 8	114 42	..	61.3	—	2	82.2	2	31.6	29	26.1	3.72	—	1.10	12	19	9	1	
Coronation.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Daysland.....	55 52	112 17	..	63.7	—	4	88.0	3-19	43.0	28	26.3	1.55	—	0.40	7	24	1	..	
Edmonton.....	53 33	113 30	2158	63.5	+ 2.0	31	84.7	3	40.0	29	23.5	3.24	-0.51	1.20	11	20	3	5	
Endiang.....	52 0	112 0	2795	63.9	—	3	89.0	28	37.0	23	29.2	1.24	—	0.33	5	26	..	..
Halkirk (Emsburg).....	52 17	112 10	..	63.4	—	5	98.0	3	35.0	22	30.6	1.52	—	0.35	10	21	2	7	
Lloydminster.....	53 18	110 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Loveland.....	52 30	111 59	..	65.0	—	5	95.0	31	41.0	29-30	28.4	0.98	—	0.25	6	25	10	..	
Ranfurly (Waitefield).....	53 29	111 38	2000	62.9	+ 2.4	10	90.0	30	40.2	29	27.5	1.50	-1.70	0.39	12	19	5	9	
Sedgewick.....	52 47	111 41	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sion.....	53 54	114 15	..	62.1	—	2	89.0	3	32.0	29	30.8	3.36	—	0.80	13	18	2	16	
Vermilion.....	53 22	110 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Westina.....	51 39	111 5	..	65.7	—	2	85.0	27	35.0	22	33.2	0.70	—	0.25	6	25	..	..
Wetaskiwin.....	52 58	113 23	2480	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Red Deer River																			
Alx.....	52 24	113 10	2585	64.4	—	10	90.5	4	40.0	15	29.9	1.41	—	0.28	8	23	3	..	
Alonsk.....	..	..	..	67.7	—	1	96.0	4	41.0	22	32.1	2.10	—	0.83	7	24	..	2
Clemens.....	51 15	114 44	..	65.8	—	2	95.0	4-28	38.0	21-22	29.2	2.10	—	0.81	7	24	..	..
Delia.....	51 38	112 25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Didsbury.....	51 40	114 8	3300	62.6	+ 0.7	13	88.0	3	40.0	16-21	28.9	1.55	-1.30	0.42	7	24	..	..
Harrington.....	51 45	114 23	3500	59.5	—	7	88.0	4-20	33.0	22	34.0	1.66	—	0.53	10	21	2	..	
Hillsdale.....	52 14	113 29	2940	63.0	+ 2.5	10	89.0	3	42.0	22	27.9	1.86	-0.80	0.43	13	18	9	..	
Lacombe (Ex. Farm).....	52 58	113 44	2783	62.3	—	7	87.6	3	39.3	29	28.5	1.11	—	0.26	9	22	..	..
Moose (Tyrol).....	51 15	110 39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Olds.....	..	..	..	62.3	—	1	91.0	19	34.0	16	30.3	1.22	—	0.42	9	22	..	..
Perbeck.....	51 58	113 5	..	64.7	—	2	92.0	11	39.5	22	31.9	2.12	—	0.51	9	22	6	..	
Red Deer.....	52 16	113 49	28 06	61.6	+ 1.9	14	90.0	3	39.0	22	28.2	2.51	-0.85	0.50	10	21	3	..	
Springdale.....	52 51	110 12	..	61.0	—	2	88.0	3	35.0	28	30.7	1.70	—	0.63	9	22	13	..	
The Bow River																			
Brooks.....	50 34	111 64	..	67.4	—	3	94.0	19	41.0	22	31.4	—	—	—	..	..	..	..
Calgary.....	51 2	114 2	3427	66.5	+ 5.7	30	94.0	31	42.0	16	31.7	2.52	-0.08	1.06	7	24	3	..	
Clareholm.....	50 2	113 35	..	65.2	—	1	98.0	20-31	33.0	21	35.1	0.37	—	0.16	3	28	..	..
Expanse Coulee.....	..	..	..	69.3	—	1	99.0	19	36.0	16	36.4	0.59	—	0.2	5	26	1	5
Gleichen.....	50 59	112 54	2052	65.2	+ 3.6	12	90.0	3-31	43.0	22	30.1	1.10	-1.22	0.41	4	27	..	..
High River.....	50 35	113 53	3394	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lawrence (Parkland).....	50 16	113 26	3500	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lethbridge (Exp. Farm).....	49 43	112 51	..	67.5	—	7	94.2	31	40.0	16	31.6	0.93	—	0.42	3	28	..	..
Lundbreck.....	..	..	..	59.9	—	1	89.5	30	30.0	16	36.1	0.59	—	0.32	3	28	3	..
Macleod.....	49 44	113 21	3128	67.4	+ 2.5	22	95.5	31	42.0	16	32.1	0.15	-1.76	0.15	1	30	..	..
Medicine Hat.....	50 1	110 37	2143	75.6	+ 7.4	30	104.0	19	46.0	17-21	34.8	0.34	-1.53	0.23	3	28	1	3	
Medicine Hat (Ex Farm).....	..	..	..	72.7	—	1	103.0	28	40.0	17	32.7	0.24	—	0.13	2	29	..	..
Okotoks.....	50 43	113 59	..	64.0	—	2	91.0	4	34.5	16	35.3	1.20	—	0.60	7	24	1	..	
Pekisko.....	50 23	114 14	..	58.6	—	1	91.0	30	32.0	24	33.6	0.94	—	0.63	5	26	1	..	
Pincher Creek.....	..	..	..	65.8	+ 5.1	16	91.0	30	42.0	16	28.6	0.61	-2.19	0.25	4	27	..	..
Ronolane.....	50 5	111 34	2350	68.4	—	1	99.0	12-19	43.0	1	40.4	0.30	—	0.20	3	28	..	1	
Strathmore.....	51 3	113 23	..	64.3	—	2	89.7	31	41.5	21	29.8	2.87	—	0.59	8	23	..	..
Suffield.....	50 13	111 0	..	71.0	—	1	100.0	13	42.0	21	34.0	0.37	—	0.30	4	27	..	..
Sundial.....	50 6	112 34	..	69.5	—	4	96.5	19	43.3	15-20	30.4	0.87	—	0.58	3	28	..	..
Rocky Mountains																			
Banff.....	51 10	115 34	4542	60.8	+ 3.8	19	90.0	31	34.0	16	32.1	1.11	-1.55	0.36	9	22	7	..	
Brassau Forest (Coal Spur).....	49 40	114 30	4225	..	..	2	85.0	19-31	..	..	..	1.09	—	0.91	4	27	1	..
Athabasca River																			
Athabasca Landing.....	54 43	113 17	1650	62.2	+ 3.0	12	85.0	1	35.0	29	27.3	2.82	-0.49	0.84	8	23	4	1	
Edson.....	53 33	116 25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Jasper.....	54 38	114 19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lynnford.....	54 12	114 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pembina.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Peace River																			
Beaver Lodge.....	55 20	119 24	..	56.8	—	2	83.0	1	27.0	28	29.1	0.52	—	0.22	8	23	6	1	
Qu'Appelle.....	55 56	118 35	1305	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fort Vermilion.....	58 27	116 3	..	..	..	9	..	..	35.0	29	..	0.67	—	0.18	8	23	23	..
Fort Vermilion (2).....	..	..	..	60.0	—	7	90.2	1	35.2	30	28.7	1.74	—	0.48	10	21	..	..
Grande Prairie.....	..	..	..	54.3	—													

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JULY, 1914.

*Stations not furnished with Registering Thermometers.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE.							PRECIPITATION.			Days with .01 or more.	No. of fair days.	No. of Auroras.	No. of thunderstorms.	No. of fogs.
				Mean.	Difference from average.	Yr's observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.						Heaviest fall in month.
SASKATCHEWAN—																		
Qu'Appelle River																		
Broadview.....	50 23	102 33	1960															
Brownhill (Greenell P.O.).....	50 23	102 53	1957	69.4	+ 7.2	22	102.0	27	41.0	17	29.9	3.14	+0.19	1.20	5	23	2	
Buchanan.....	51 42	102 45		67.6	+ 6.2	10	97.1	28	43.0	17	27.5	1.46	-1.77	0.25	11	20	7	2
Crescent Lake.....	50 59	102 25	1658	71.3	+ 6.4	11	99.0	27	41.0	16	29.0	1.57	-0.01	0.85	4	27	1	
Estevan.....	50 59	103 4	1858	70.3	—	3	103.8	27	42.8	17	29.5	0.92	—	0.75	6	25		2
Fort Qu'Appelle.....	50 47	103 47		67.4	—	7	99.0	27	43.0	22-23	26.1	0.91	—	0.41	4	27		
Hubbard (Drumague).....	51 5	105 9		67.1	—	6	98.0	28	41.0	23	30.0	1.37	—	1.00	4	27		
Humboldt.....	52 12	105 23		68.9	—	3	98.0	27	42.0	22	30.3	1.80	—	0.72	4	27		2
Imperial.....	51 22	103 40	1924	69.8	+ 5.2	24	100.0	27	42.0	16	29.2	1.50	-0.96	0.88	3	28		
Indian Head.....	51 30	101 52		69.0	—	3	95.0	26 27	41.0	6-16	28.4	0.58	—	0.26	6	25		
Kamsack.....	49 43	102 2	2064	66.6	—	5	97.0	28	40.0	22	28.3	2.53	—	0.74	7	24		
Manor.....	50 21	105 35	1759	72.1	+ 8.3	19	101.5	27	44.0	23	30.8	1.18	-1.55	0.76	5	26	1	2
Moose Jaw.....	50 0	101 37	1884															
Moosomin.....	52 0	105 0	1870	69.6	—	9	91.0	27-28	43.0	1	28.3	1.80	—	1.20	6	25		5
Muenster (St. Peter's Mon.).....	50 20	105 0	1879	70.0	+ 6.2	19	99.0	27	39.0	17	30.3	1.92	+0.42	0.86	6	25		6
Pense (Gatesgarth).....	52 25	105 9		67.5	—	3	98.0	27	40.0	23	29.2	1.26	—	0.59	10	21		
Pilger.....	50 30	103 47	2115	69.5	+ 5.6	29	97.0	27	42.0	17	25.8	4.76	+2.05	3.10	13	18	2	7
Regina.....	50 27	104 37	1885	70.2	+ 5.5	30	98.0	27	39.0	12	28.9	1.29	+0.32	0.61	7	24		
Stoney View.....				69.4	—	1	99.8	27	40.2	23	35.1	1.87	—	1.12	3	28		
Whitewood.....				67.8	—	1	95.0	27	40.0	17	27.5	3.02	—	1.34	9	22		6
Yarbo (Fairfield).....	50 39	102 4		65.7	—	7	102.5	26	42.0	24	31.0	3.29	—	1.01	6	25		1
Yellow Grass.....	49 49	104 9		70.4	—	3	102.0	27	41.0	17	32.0	1.70	—	0.43	9	22		3
Yorkton.....	51 11	102 29		69.8	—	6	99.0	28	44.0	17	29.0	1.23	—	0.23	9	22		
S. Saskatchewan River																		
Chaplin.....	50 26	106 39	2202	70.4	+ 4.3	29	99.0	27	43.0	17-18	30.7	0.39	-1.86	0.15	10	21	3	7
Kindersley.....	51 28	109 9		68.2	—	2	98.0	28	40.0	22	30.2	0.51	—	0.28	6	25		3
Kintone (Divide).....	49 38	108 53	3500	64.5	—	5	96.4	13	33.2	18	36.5	0.24	—	0.18	2	29		1
Kelvinhurst (Nashlyn).....	51 46	108 10																
Larchmont (Pambrum).....	49 21	109 29	2500	69.4	—	4	99.5	3	37.0	17	37.1	0.69	—	0.28	8	23	4	1
Rathmullen.....	51 20	108 57		69.1	—	5	100.0	28	42.7	6	31.3	0.91	—	0.34	4	26		3
Swift Current.....	50 20	107 45	2429	72.5	+ 6.8	28	101.0	27	40.0	18	36.0	0.76	-1.75	0.34	11	20	1	7
N. Saskatchewan River																		
Anglia.....	51 55	101 10		69.1	—	2	102.0	27	41.0	23	33.6	1.12	—	0.85	3	28		
Battleford.....	52 41	108 20	1620	69.5	+ 5.5	24	96.0	27	47.0	23	28.0	1.28	-0.83	0.51	7	24	10	4
Lloydminster.....	53 18	110 0																
Luseland.....	52 5	109 34																
Meadow River.....				67.7	—	1	50.0	11-13	40.0	23	28.8							
Onion Lake.....	53 52	109 59		63.0	—	8	85.9	4-31	41.0	24	23.7							
Prince (Meota).....	51 0	108 20	1700															
St. Walburg.....	53 36	109 9		61.4	—	2	85.6	27	34.0	23	30.1	0.65	—	0.36	3	28	1	
Scott (Ex. Farm).....	51 59	109 30		67.1	—	4	96.8	27	35.0	15	35.0	1.80	—	0.95	7	24		2
Waseca.....	53 6	109 29		64.9	—	7	92.0	3	41.0	6	27.7	0.22	—	0.22	1	30	2	
The Saskatchewan Forks																		
Halcyonia.....	52 30	107 5	1800	68.4	—	1	97.0	12	41.0	22-23	32.8	0.65	—	0.19	8	23	2	9
Melfort.....	52 47	104 30		67.8	—	7	96.0	27	39.0	23-30	29.4	1.59	—	1.06	6	25		3
Prince Albert.....	53 10	106 0	1432	67.1	+ 5.9	28	93.0	12	46.0	23	22.3	1.15	-1.27	0.61	9	22		6
Rosthern.....	52 40	106 20	1657	67.5	—	4	93.8	28	41.2	23	28.5	1.40	—	0.53	8	23		2
Saskatoon.....	52 15	106 30	1571	69.7	+ 6.8	15	99.0	28	43.2	23	28.1	0.85	-1.69	0.34	7	24		4
Lower Saskatchewan River																		
Lost River.....	53 17	104 21		66.3	—	3	93.0	28	42.0	23-24	25.6	2.21	—	1.17	8	23		5
MANITOBA—																		
Qu'Appelle and Assiniboine Rivers																		
Bolshevoia.....	50 25	101 1	1703	72.1	—	3	100.0	28	44.0	17	27.0	1.50	—	0.35	11	20		
Brandon.....	49 51	99 57	1176	70.4	+ 6.2	48	101.5	27	42.5	22	25.8	1.87	+0.10	0.73	7	24		4
Carman.....	49 31	98 0	872															
Cypress River.....	49 33	99 3	1232	71.2	—	9	99.0	28	43.0	22	29.3	1.42	—	0.70	7	24		
Hillview.....	49 55	100 33	1400	69.6	+ 4.7	28	96.0	27-28	44.0	17	25.7	2.64	-0.08	0.70	9	22		4
Minnedosa.....	50 15	99 50	1699	70.6	+ 6.8	31	99.0	27	42.5	22	28.1	2.23	-0.41	0.74	14	17		9
Ninette.....	49 24	99 38	1363	74.2	—	3	101.0	27	50.0	16	23.5							3
Niagara.....	49 14	99 51	1649	71.2	—	4	97.0	27	46.0	16-21	22.6	1.37	—	0.60	6	25		
Pierson.....	49 11	101 5	1531	69.6	—	9	99.5	28	41.0	17	29.2	2.08	—	0.65	7	24		
Pipestone.....	49 34	100 58	1400															
Portage la Prairie.....	49 57	98 17		72.5	+ 8.2	28	98.3	6	46.0	7	24.9	2.40	-0.42	1.26	7	24		
Portage la Prairie (2).....	49 56	98 17		71.7	—	7	95.0	6-28	47.0	18	24.5	1.06	—	0.47	11	20		
Russell.....	50 59	101 20		68.4	+ 6.2	21	94.0	28	49.0	17	24.1	2.99	+1.90	1.39	14	17		
St. Alban's (Treesbank).....	49 42	99 33	1180	74.6	+ 6.0	29	107.0	27	43.0	22	32.1	1.69	-1.30	0.75	11	20	5	1
Souris.....	49 37	100 14																
Treherne.....	49 36	98 40	1212	73.0	+ 9.0	18	98.0	27	45.0	7	27.2	1.42	-0.79	0.43	9	22		6
Virden.....	49 51	100 55	1444	70.6	+ 7.9	13	100.0	28	42.0	17	27.9	1.40	—	0.50	4	27		
The Red River																		
Almasippi.....	49 14	99 20		72.1	+ 7.0	19	99.0	27	44.0	22	29.2	2.81	+0.87	0.76	9	22		10
Morden.....	49 11	98 6	978	72.3	+ 5.8	10	100.0	28	46.0	7	25.2	1.31	-1.53	0.37	7	24	2	11
Oak Bank.....	49 57	96 42	800	69.7	+ 5.6	19	92.5	5	47.5	22	23.0	5.55	+2.98	3.87	10	21		7
Selkirk.....																		
Stony Mountain.....	50 40	97 14	803	71.1	+ 6.0	34	97.0	5	43.0	7	30.5	3.15	+0.29	1.50	4	27		
Winnipeg.....	49 53	97 7	760	72.3	+ 6.3	41	94.4	5	47.3	17	23.3	7.14	+3.81	5.26	10	21	1	6

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE.							PRECIPITATION.			Days with .01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of logs								
				Mean.	Difference from average.	Yr's of observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.						Heaviest fall in month.							
MANITOBA—Continued																										
<i>Dauphin Lake and River</i>																										
Boreas River.....	52 18	97 23	710	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
Dauphin.....	51 8	100 2	957	—	—	4	95.0	27	—	—	—	—	3.27	—	0.68	8	23	1								
Moose Horn Bay (Atkinsville).....	51 15	99 33	810	68.8	—	5	92.0	28	35.9	7	22.9	2.93	—	0.68	16	15	1	7								
Swan Lake.....	.. ..	.. ..	.. ..	71.0	—	1	97.0	27	40.0	22	26.9	1.04	—	0.44	6	25	..	..						
<i>Lake Winnipegosis.</i>																										
Le Pas.....	52 6	101 15	1112	69.6	—	5	92.0	28	34.0	15	21.7	2.78	—	1.20	12	19	..	..						
ONTARIO—																										
<i>The Lake Superior Districts</i>																										
<i>Rainy River</i>																										
Dryden.....	.. ..	.. ..	.. ..	68.1	—	1	89.0	6	36.0	18	22.7	3.41	—	0.72	13	18	1	2					
Fort Frances.....	48 36	93 25	.. ..	72.2	—	1	98.0	15	50.0	1-2	25.6	2.71	—	0.80	8	23	..	..						
Ignace.....	.. ..	.. ..	.. ..	67.4	—	1	89.0	12	40.0	8	24.4	2.87	—	0.42	12	19	..	6					
Kenora.....	49 48	9 32	1102	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Rainy River.....	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Shoal Lake.....	49 37	95 6	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Sioux Lookout.....	.. ..	.. ..	.. ..	66.0	—	1	91.0	6	35.0	3	28.9	4.28	—	1.70	9	22	5	10					
<i>Thunder Bay</i>																										
Heron Bay.....	48 18	86 16	.. ..	58.3	- 0.7	16	84.0	13	29.0	19	24.8	3.71	+1.62	1.31	8	23	..	..						
Kakabeka Falls.....	48 29	89 26	912	63.8	.. ..	6	89.0	24	37.0	18	31.0	4.31	—	1.17	12	19	2	10							
Nipigon.....	.. ..	.. ..	.. ..	64.9	+ 2.1	13	89.0	14	36.0	18	23.3	3.34	—	1.60	14	17	..	4					
Oscar.....	.. ..	.. ..	.. ..	59.6	.. ..	1	87.0	27	32.0	18	22.0	2.66	.. ..	1.19	9	22	..	..						
Port Arthur.....	48 27	89 12	644	63.5	+ 1.3	34	88.0	20	41.0	18	20.6	2.30	-1.13	0.58	13	18	..	8								
Savanne.....	48 55	90 18	1506	63.4	- 2.3	13	95.0	6	33.0	29	30.7	2.29	-1.41	1.50	4	27	..	4								
Schreiber.....	48 50	87 15	933	62.1	+ 0.8	15	86.0	11	35.0	19	27.3	2.93	—	1.02	11	20	2	5								
<i>Algoma</i>																										
Bisco.....	47 40	82 11	1333	64.1	—	1	90.0	16	34.0	19	25.5	2.43	—	0.44	10	21	..	1								
Bruce Mines.....	46 18	83 55	595	.. ..	.. ..	16	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Chapleau.....	47 48	83 28	.. ..																						

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JULY, 1914.

* Stations not furnished with Registering Thermometers.

STATION	Latitude N.	Longitude W.	Elevation above sea level in feet.	TEMPERATURE							PRECIPITATION			Days with 01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
				Mean.	Difference from average.	Yr's Observations	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount	Difference from Average.						Heaviest fall in month.
ONTARIO—Continued—																		
Lakes St. Clair & Erie, Niagara Peninsula																		
Chatham.....	42 23	82 12	695	69.7	—	29	93.0	11	42.0	3	27.3	2.19	—0.78	1.40	4	27	..	4
Cottam.....	42 7	82 45	606	70.2	— 2.0	2	94.0	7	47.0	4	24.3	2.40	—0.89	0.87	4	27	..	..
Dutton.....	42 40	81 32	..	71.9	—	5	95.0	11	52.0	18	20.4	1.06	—	0.73	6	25	..	..
Grimsby.....	43 13	79 36	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pelee Island.....	41 50	82 35	685	68.9	+ 0.8	11	84.0	11	50.0	19-29	17.5	1.71	—0.97	0.99	6	24	..	1
Port Burwell.....	42 39	80 55	592	69.5	+ 0.6	39	92.0	11	49.0	20	20.0	0.87	—2.25	0.46	6	24	..	..
Port Dover.....	42 27	80 13	635	68.9	+ 0.2	40	89.2	11-21	48.2	4	19.0	3.36	+0.00	1.64	8	23	..	2
Port Stanley.....	42 40	81 13	592	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. Catharines.....	43 9	79 17	347	69.9	— 1.4	31	92.0	11	49.0	20	20.2	1.13	—1.97	0.49	5	26	..	..
Stoney Creek.....	43 13	79 45	292	70.8	—	9	90.0	9	48.0	3	22.6	2.15	—	1.02	6	25	..	..
Wallaceburg.....	42 35	82 24	..	72.9	+ 1.8	28	91.0	16	54.0	19	19.6	1.04	—1.05	0.34	8	23	..	..
Welland.....	42 59	79 17	577	71.8	— 0.9	29	91.0	23	52.0	19	17.9	1.67	—0.75	0.94	5	26	..	..
Windsor.....	42 20	83 4	625	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
West-Central Counties																		
Alton.....	43 51	80 5	1250	68.2	+ 1.7	27	90.0	17	41.6	20	25.0	0.71	—2.88	0.37	4	27	..	1
Brantford.....	43 10	80 21	750	70.6	+ 0.3	26	94.0	26	46.0	19	26.9	0.84	—1.54	0.42	6	25	1	..
Elora.....	43 41	80 24	1274	68.4	+ 1.9	17	92.0	11	39.0	20	28.6	0.80	—2.06	0.28	6	25	..	..
Guelph.....	43 33	80 16	1050	69.1	+ 1.1	28	90.5	11	43.0	20	23.1	1.23	—1.34	0.27	10	21	..	..
Listowel.....	43 44	80 58	1262	67.5	+ 0.7	15	86.0	16-26	44.0	19	24.2	1.51	—1.43	0.58	4	27	..	..
London.....	42 59	81 13	808	69.9	+ 0.1	30	91.0	26	45.0	30	25.7	1.90	—0.54	0.89	6	26	..	1
Paris.....	43 12	80 25	840	70.6	+ 0.8	25	92.0	22	48.0	30	24.9	0.50	—1.96	0.36	3	28	..	..
Shelburne.....	44 5	80 47	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stratford.....	43 23	81 0	1191	67.8	— 0.7	40	86.0	11-26	46.0	19	20.8	1.07	—2.37	0.52	7	24	..	2
Woodstock.....	43 8	80 47	980	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Ontario Counties																		
Agincourt.....	43 47	79 16	590	70.3	+ 0.9	18	94.0	16	46.0	20	24.7	0.78	—1.45	0.25	8	23	..	1
Aurora.....	43 57	79 24	886	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Georgetown.....	43 38	80 2	..	68.4	—	1	89.0	11	17.0	20	21.4	0.61	—2.39	0.28	8	23	..	1
Hamilton.....	43 16	79 54	303	71.0	— 1.0	30	95.0	11	52.0	19	19.1	0.30	—2.83	0.30	1	30	2	..
Oshawa.....	43 53	78 52	331	68.7	+ 1.3	5	90.0	12	49.0	1-20	21.5	9.87	—	0.65	6	25	..	..
Toronto.....	43 40	79 24	350	70.4	+ 3.0	73	92.6	11	47.9	20	20.1	1.00	—1.93	0.34	12	19	..	3
Toronto Is. (Lakeside Home)	43 40	79 24	..	69.2	+ 3.0	10	93.0	11	50.0	20	18.4	..	..	..	..	..	..	..
Uxbridge.....	44 5	79 8	886	68.6	+ 0.6	10	89.0	9-16	43.0	20-30	24.5	0.92	—2.99	0.50	5	26	..	..
Wexford.....	43 44	79 17	555	67.6	—	3	92.0	17	45.0	20	18.2	0.73	—	0.29	7	24	..	3
East-Central Counties																		
Bancroft.....	45 1	77 50	..	65.4	+ 1.0	23	89.0	16	40.0	28	27.4	0.67	—2.53	0.67	1	30	..	..
Haliburton.....	45 1	78 28	1050	66.4	+ 0.8	27	93.0	16	37.0	20	30.3	0.40	—2.77	0.25	3	28	2	..
Kimourton.....	44 15	78 38	920	65.4	+ 0.1	15	89.0	16	38.0	19	27.5	0.87	—3.02	0.40	7	24	..	..
Lakefield.....	44 25	78 15	850	69.4	+ 0.9	27	89.0	8	49.0	2	18.6	0.14	—2.63	0.45	6	25	..	..
Lindsay.....	44 20	78 45	872	68.7	+ 1.5	35	91.4	16	42.8	20	25.5	1.44	—1.06	0.67	9	22	..	1
Madoc.....	44 30	77 29	575	68.7	+ 0.0	19	92.0	16	39.0	31	25.2	1.03	—1.68	0.63	6	25	..	..
Norwood.....	44 24	77 57	..	67.3	—	2	93.0	12	42.9	20	22.8	4.56	—	1.90	8	23	..	2
Peterboro.....	44 17	78 19	722	69.2	— 0.8	44	92.0	11	40.0	20	25.0	0.77	—1.93	0.53	6	26	..	..
Uxbridge.....	44 54	78 18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
QUEBEC—																		
Middle St. Lawrence																		
Bark Lake Depot.....	46 30	75 20	..	65.6	—	1	96.0	14	40.0	30	29.1	2.02	—	0.90	6	25	..	..
Beauceville.....	46 11	70 48	557	62.9	—	1	90.0	17	41.0	22	23.1	2.34	—	0.73	10	21	..	9
Brome.....	45 10	72 36	678	64.1	— 1.4	31	89.0	15-17	36.0	22	22.3	1.40	—2.83	0.35	10	21	..	..
Cap Rouge.....	46 46	71 18	..	61.5	—	4	89.0	17	45.0	22-30	21.1	1.66	—	0.58	11	20	..	2
Cedar Rapids.....	45 21	74 5	132	66.3	—	2	88.0	18	43.0	22	18.7	2.68	—	0.83	14	17	..	..
D'Ismeli.....	45 55	71 21	896	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Drummondville.....	44 30	72 30	..	65.0	—	1	88.0	18	40.0	22	24.3	0.82	—	0.42	4	27	..	4
Huberdeau.....	45 59	74 41	900	64.2	—	1	91.0	15	38.9	22	..	2.13	—	1.17	10	21	1	..
Huntingdon.....	45 5	74 10	..	..	..	..	..	..	..	..	..	1.25	—	0.35	6	26	..	..
Joliette.....	46 2	73 25	..	..	..	..	..	..	..	..	..	2.19	—	1.10	9	22	..	..
Lake Megantic.....	45 35	70 53	1314	61.6	—	1	86.0	17	42.0	21	19.7	3.33	—	0.81	12	19	..	3
MacDonald College (Ste. Anne de Bellevue).....	45 27	73 59	..	62.1	—	8	88.0	16-17	23.0	3	31.1	2.95	—	0.80	8	23	..	2
Maniwaki.....	45 30	73 35	187	68.3	— 0.7	49	91.0	17	49.5	1	18.9	0.96	—3.00	0.35	8	23	..	3
Montreal.....	46 15	72 36	..	69.6	—	1	90.0	17	32.0	2	18.8	3.09	—	1.90	7	24	..	4
Nicolet.....	46 27	75 0	..	64.3	—	1	83.0	14	39.0	22	24.2	1.88	—	0.86	7	24	..	..
Norining.....	46 27	75 0	..	66.5	+ 0.1	49	91.5	16	45.5	22	22.3	1.18	—2.35	0.31	8	23	3	3
Quebec.....	46 48	71 13	296	65.9	—	1	90.0	17	42.0	31	30.7	1.93	—	0.55	12	19	1	5
Sorel.....	45 43	73 47	..	64.5	—	1	89.0	15-16	42.0	21-29	21.3	1.80	—	0.85	13	18	..	3
St. Lin.....	45 54	74 3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Shawbridge.....	46 34	72 43	..	61.3	— 4.5	12	88.0	16	39.0	22	24.6	2.19	—0.86	1.17	12	19	..	5
Shawinigan Falls.....	46 34	72 43	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sherbrooke.....	45 21	71 53	620	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lower St. Lawrence & Gulf																		
*Anticosti, E. Pt.....	49 6	61 42	30	55.7	+ 0.8	32	66.0	25	45.0	1	—	1.52	—1.42	0.61	4	27	..	8
*Anticosti, S.W. Pt.....	49 24	63 33	..	55.9	— 1.6	33	72.0	8	36.0	2	17.6	0.72	—2.63	0.32	9	22	..	3
*Anticosti, W. Pt.....	49 52	64 32	30	57.4	— 0.9	32	78.0	17	45.0	1	—	0.69	—2.76	0.25	8	23	..	1
*Bicquet.....	48 25	68 53	..	65.4	+ 1.4	32	90.0	17	42.0	1	—	1.15	—1.85	0.50	3	28	..	4
*Cape Chante.....	49 6	66 45	..	60.6	+ 0.0	35	89.0	16	52.0	1	—	2.91	+0.03	0.85	7	25	..	2
*Cape Magdalen.....	49 16	65 20	93	60.3	+ 0.2	32	85.0	17	45.0	1	—	1.73	—1.24	0.83	6	24	2	2
Causapscal.....	48 21	67 12	450	62.1	—	1	91.0	16	37.0	30	29.2	3.28	—	0.73	9	22	2	2
Father Point.....	48 31	68 19	20	58.7	+ 0.8	37	90.0	17	36.0	1	15.2	2.02	—0.82	0.66	9	22	..	..
Ste Anne de la Pocatiere	47 22	70 2	65	62.7	—	4	91.0	14	36.0	9	30.3	0.64	—	0.42	3	23	..	3
Tadoussac.....	48 10	69 47	..	61.2	—	1	87.0	16	40.0	1	20.0	1.12	—	0.46	8	23	1	1

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JULY, 1914.

*Stations not furnished with Registering Thermometers.

STATION				TEMPERATURE								PRECIPITATION																										
	Latitude	Longitude	Elevation above sea level, in feet	Mean	Difference from average.	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	Amount	Difference from average	Heaviest fall in month	Days with .01 or more	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs																			
QUEBEC—Continued																																						
Lake St. John	°	'	°																																			
Chicoutimi	48 25	71 5	150	66.3	+ 1.9	29	98.0	16	41.0	30	26.6	1.22	-2.61	0.43	13	18	2	1	7																			
Chicoutimi (2)	48 25	71 5		*57.7	—	4	76.0	17	40.0	30	10.5	—	—	—	—	—	—	—	—																			
La Loutre Rapids	48 23	74 18	1288	60.1	—	3	99.0	7	35.0	30	24.6	2.16	—	0.70	11	20																						
Lake Edward	47 39	72 15	1333	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																			
La Tuque	47 27	72 48	520	65.1	—	3	95.0	15	42.0	30	25.2	3.13	—	1.17	8	23		5	6																			
Mistassini	48 51	72 15	360	63.7	—	3	94.0	17	43.0	26	24.8	1.38	—	0.41	12	19	1	3	2																			
Roberval	48 31	72 13	352	65.3	—	8	97.0	16	42.0	10	22.6	0.89	—	0.19	15	16																						
The Northwestern Districts																																						
Abitibi	48 33	79 22		65.8	+ 1.7	19	90.0	14-15	38.0	19	23.0	1.98	-0.79	0.74	6	25		3																				
Amos	48 36	78 7		61.9	—	2	93.0	15	34.0	20	30.4	2.18	—	1.04	8	23	1																					
Quinze Dam	47 34	79 16		64.8	—	1	96.0	15	39.0	27	28.9	2.37	—	0.85	6	25																						
Temiskaming	46 44	79 7		70.8	—	2	100.0	15	40.0	20	30.0	1.49	—	0.36	9	22																						
Ville Marie	47 55	79 25		65.4	—	1	94.0	14	32.0	2	35.7	1.00	—	0.50	3	28			3																			
White Shore Lake	48 12	76 43	1394		—	3				2																												
The North Shore																																						
Clarke City	50 10	66 25			—																																	
New Brunswick—																																						
Chatham	47 3	65 29	21	65.8	+ 0.9	40	90.0	14	42.5	10	24.2	2.07	-1.65	6.30	15	16		2																				
Dalhousie	48 4	66 22	39	63.6	+ 0.9	34	90.0	6	42.0	24	28.1	2.20	-1.10	0.90	7	24																						
Edmunston					—								—																									
Fredericton	45 57	66 36	164	63.7	- 2.3	40	89.0	15	40.0	2	26.6	2.37	-1.25	1.02	10	21		8	2																			
Fredericton (Exp. Farm)			106	64.2	—	1	89.0	16	40.0	2	26.9	2.59	—	0.75	8	23		1	6																			
Grand Falls	47 2	67 44		68.2	—	1	83.0	17	49.0	3	18.2	2.27	—	1.11	6	25		2																				
Moncton	46 9	64 45	50	62.8	- 2.5	17	85.0	5	36.0	1	22.9	3.60	+0.62	2.10	4	27		1																				
*Point Lepreau	45 4	66 28	30	55.6	+ 0.1	36	68.0	15	50.0	1	—	1.34	-2.62	0.41	5	26		2	10																			
St. John	45 17	66 4	70	59.5	- 1.8	41	75.7	25	47.0	2	14.4	2.52	-0.38	0.89	10	21	1	2	8																			
St. Stephen	45 11	67 16	35		—								—																									
Sussex	45 38	6 38	96	62.4	- 2.3	17	84.0	7	35.0	2	24.7	2.62	-0.16	1.19	4	27		3																				
Williamsburg	46 20	66 43			—								—		26																							
Woodstock	46 20	66 43		60.0	—	1	79.0	13	45.0	2	16.7	1.99	—	0.83	5			2	1																			
NOVA SCOTIA—																																						
Advocate	45 19	64 46			—								—	—	—	—	—																					
Annapolis Royal				61.2	—	1	86.0	8	39.0	4	21.8	—	—	—	—	—																						
Antigonish	45 38	61 59	50	62.0	—	4	86.0	17	36.0	3-4	19.7	—	—	—	—	—		2																				
Berwick	45 5	64 30			—								—	—	—	—																						
Halifax	44 39	63 36	88	61.4	- 3.3	40	87.7	25	40.7	2	19.1	4.09	+0.53	2.01	13	18		2	7																			
Kentville	45 3	64 36	40	60.5	—	3	84.0	16-17	35.0	2	22.0	1.17	—	0.64	7	24		2	1																			
Kentville (2)				62.9	—	2	85.0	17	39.0	4	21.0	1.45	—	0.61	11	20																						
Liverpool	44 0	64 40	56	61.1	—	2	85.0	6	57.0	5	24.7	3.78	—	2.24	8	23		3	1																			
Middleton				64.8	—	1	88.0	8	38.0	4	26.1	—	—	—	—	—		1																				
Nappan	45 46	64 34		61.5	—	1	84.0	7	35.0	2	22.2	3.61	—	1.50	9	22																						
New Germany	44 30	64 42		66.8	—	3	86.0	15	41.0	24-25	23.2	0.92	—	0.42	3	28																						
Parrsboro'	45 23	64 19	40	59.3	- 2.6	17	83.0	17	34.0	2	24.1	2.55	—	1.91	4	27		1																				
Port Hastings	45 39	61 22	45		—								—																									
Sable Island, E. Pt.	43 58	59 46	25		—								—																									
Sable Island (Main Station)	43 57	60 6	25	65.8	- 4.0	32	67.0	24	44.0	6	9.1	2.23	-1.82	0.73	17	14		4	15																			
Sutherland's River				63.5	—	1	87.0	16	40.0	11	20.9	—	—	—	—	—		3																				
Sydney	46 10	60 10	35	61.5	- 2.1	41	85.0	7	41.0	11	17.7	2.28	-0.89	0.98	8	23																						
Truro	45 22	63 18	77	61.6	- 2.3	41	82.8	17	33.8	2	21.6	2.80	-0.11	1.05	12	19		3	3																			
Truro (2)	45 25	63 15		61.3	—	2	82.0	17	35.5	2	20.9	3.73	—	1.35	7	24		2																				
Whitehead	45 15	61 8	20	55.9	- 3.2	30	69.0	24	40.0	4	8.2	0.49	-2.69	0.40	2	29			14																			
Windsor	44 59	64 6	90	63.2	- 3.4	12	84.0	16-26	40.0	2	20.2	1.66	-1.77	1.12	9	22		2																				
Wolfville	45 7	64 20		60.9	- 4.7	15	83.1	17	39.2	3	22.5	1.19	-1.09	0.69	10	21																						
Yarmouth	43 50	66 2	65	53.0	- 1.9	34	75.3	15	43.8	4	13.8	1.10	-2.80	0.30	9	22		3	5																			
P. E. ISLAND—																																						
Charlottetown	46 14	63 10	38	63.4	- 2.2	39	81.0	15-25	39.0	2	16.6	2.14	-0.79	0.68	9	22		2																				
Charlottetown (Exp. Farm)	46 14	63 7	75	63.2	—	4	82.0	16-17	37.0	2	18.5	2.84	—	0.93	9	22																						
Hamilton	46 25	63 48			—								—																									
Summerside	46 18	63 51			—								—																									
NEWFOUNDLAND—																																						
*Amour Point	51 28	56 51			—								—																									
Burin	47 0	55 10	27		—								—																									
*Cape Norman	51 38	55 52			—								—																									
Fogo	49 43	54 17	30		—								—																									
*Point Riche	50 42	57 25	35	63.3	- 1.7	20	63.0	5.6	42.0	2	—	3.56	+0.41	1.80	6	25			7																			
Port aux Basques	47 35	50 10	27	54.0	—	6	74.5	7	39.5	3	11.0	5.25	—	2.34	16	15		1	12																			
St. George's	48 28	58 25		59.4	—	24	75.4	18	42.6	1	13.4	1.15	—	0.13	16	15	2	3																				
St. John's	47 34	52 42	125	56.0	- 2.9	42	82.0	19	39.0	2	15.0	4.13	+0.51	1.25	14	17			8																			
BERMUDA—																																						
Prospect	32 17	54 46	151	77.9	- 0.6	23	86.8	30	68.8	7	10.3	1.64	-2.1	0.64	9	22																						

* Temperature at Chicoutimi (2) regarded as impossible; maximum thermometer appears to be consistently 17 degrees too low, while minimum is correct.

STATIONS.	RAINFALL.					SNOWFALL.				REMARKS
	Amount in inches.	No of Days .01 or over.	No. of Fair Days.	Heaviest Fall in Month.	Date.	Amount in inches.	No. of Days.	Heaviest Fall in Month.	Date.	
BRITISH COLUMBIA—										
Alkali Lake.....										
Annis (Canoe Point).....	0.72	5	26	0.23	13					
Beaver Lake (Royal Oak).....	0.05	1	30	0.05	24					
Coquitlam.....	0.77	4	27	0.40	14					
Denman's Island.....	0.36	1	30	0.36	24					
Ferguson.....	1.59	12	19	—	—					
Goldstream Lake.....	0.22	3	28	0.14	25					
Horaby Island.....	0.27	3	28	0.24	24					
Hydraulic.....										
Invermere.....	1.46	7	24	0.49	4					
Jordan River.....	0.32	3	28	0.25	25					
Jordan River (Bear Creek).....	0.33	4	27	0.19	25					
Little Qualicum (Fr. Cr. V. I.).....	0.07	1	30	0.07	24					
Lumby.....	1.00	5	26	0.50	14					
Nans Harbour.....	9.79	29	2	2.15	22					
Rock Creek.....	0.36	3	28	0.16	13					
Sooke Lake.....	0.05	2	29	0.03	26					
Stamps Falls (Alberni).....										
Wycliffe.....	0.95	1	28	0.56	14					
ALBERTA—										
Bardo.....	1.39	7	24	0.38	5					
Beaver Mines.....										
Bismark.....	2.64	7	24	0.29	5					
Bitter Lake.....	1.68	9	22	0.45	5					
Brooks.....										
Bruderheim.....										
Caldwell.....	1.32	3	28	0.92	13					
Clareholme.....	0.40	3	28	0.15	5					
Clarinda.....	0.55	3	28	0.45	4					
Coleman.....	0.97	4	27	0.26	13					
Conjuring Creek.....										
Cres Bank Ranch (Cowley).....	0.95	3	28	0.53	13					
Dorence (Bashaw).....										
Duatable (Five Lakes).....	3.31	13	18	0.69	10					
Grassy Lake.....	0.00	0	31	0.00	—					
Jumping Pound.....	1.83	3	28	0.95	6					
La Pearl.....	0.20	6	26	0.06	6					
Lethbridge.....	0.47	4	27	0.22	6					
Lineham.....	0.63	1	30	0.53	7					
Lyndon.....	0.40	2	29	0.27	5					
Macleod.....										
Maycroft.....	0.81	4	27	0.44	4					
Mountain View.....	1.04	2	29	0.70	13					
Nantoo.....	1.36	6	25	0.71	5					
Nateby.....	0.87	3	28	0.48	13					
Pekisko.....										
Ponoka.....	1.97	7	24	0.45	4					
Roycroft Ranch (Manville).....	1.67	3	28	1.43	14					
Seven Persons.....	0.22	3	28	0.10	15					
Waterton Mills.....	0.64	3	28	0.56	5					
SASKATCHEWAN—										
Gull Lake.....	0.19	2	29	0.17	10					
Gull Lake (Fks. Swift Cur.).....	0.33	4	27	0.10	6					
Wapashoe.....	0.31	4	27	0.22	16					
MANITOBA—										
Cartwright.....										
Deloraine.....	1.30	8	23	0.35	12					
Rapid City.....	3.06	7	24	1.64	12					
ONTARIO—										
Bow Park Farm (Brantford).....										
Dsner Park.....	0.66	7	24	0.30	22					
Dutton.....	2.40	4	27	0.91	14					
Emdale.....	0.76	6	25	0.27	23					
Fort Frances.....										
Grand Valley.....										
Grantham.....	1.79	6	25	1.05	18					
Long Lake (Zeta).....	0.83	6	26	0.39	22					
MacCus.....	1.28	3	28	0.92	23					
Niagara Falls.....	0.86	6	25	0.32	21					
Nipigon.....										
Point Clark.....										
Rock Chapel (Grimsby).....	0.83	7	24	0.55	21					
Strathroy.....										
Sydenham.....										
Watford.....	1.32	5	26	0.50	12					
Wawatin Falls.....										
Westminster.....	2.34	3	23	1.98	12-14					
Westport.....	0.78	4	27	0.47	23					
Wilton.....	1.57	6	25	0.68	23					

[illegible]

PRESSURE, HUMIDITY, CLOUDINESS AND WIND AT STATIONS OF THE FIRST CLASS DURING THE
MONTH OF JULY, 1914.

a Barometer not reduced to sea level

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	PRESSURE.				Mean relative humidity	Mean amount of cloud.	No. of days completely clouded.	DIRECTION OF WIND FROM										VELOCITY OF WIND		
				Mean reduced.	Highest.	Lowest.	Range.				N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	C.	Total number of observations.	Mean miles per hour.	Maximum velocity.	Date and direction from.
BRITISH COLUMBIA—																							
Atlin.....	54 35	133 38	2210	29 92	30 20	29 64	0 56	—	7	4	1	1	0	0	40	1	6	3	62				
Barkerville.....	53 2	121 35	4180	29 98	30 26	29 68	0 58	79	6	6	0	0	0	0	12	1	0	45	62				
Kamloops.....	50 42	120 29	1245	29 90	30 27	29 64	0 56	51	5	2	0	6	10	4	9	3	23	2	11	62	3.2	11	5 SE
Nanaimo.....	49 10	123 37	125	29 93	30 16	29 73	0 43	64	3	1	3	10	0	9	2	0	19	19	62				
Prince Rupert.....	54 18	130 18	170	29 99	30 32	29 75	0 57	83	10	29	0	2	3	9	4	5	2	0	37	62			
Triangle Island.....	50 52	129 5	680																				
Fransuville.....	50 41	120 29		28 66	28 97	28 41	0 56	51	4	0	1	0	4	1	3	4	11	0	38	62			
Vancouver.....	49 17	123 5	136	30 05	30 27	29 86	0 41	73	3	2	2	12	6	3	5	17	11	4	62				
Victoria.....	48 24	123 19	85	30 07	30 28	29 89	0 39	71	3	1	0	2	4	0	6	45	1	0	1	62	14.5	44	19 SW
YUKON—																							
Dawson.....	64 4	139 20	1200	29 80	30 14	29 45	0 69	—	5	2	3	0	2	0	9	0	0	1	45	60			
ALBERTA—																							
Banff.....	51 10	115 34	4542	29 93	30 20	29 54	0 66	57	4	9	0	4	0	3	1	18	13	0	23	62			
Calgary.....	51 2	114 2	3389	29 89	30 13	29 41	0 72	61	3	1	2	2	4	7	2	4	5	32	4	62	5.1	22	21 NW
Edmonton.....	53 33	113 30	2158	29 83	30 11	29 46	0 65	76	6	0	2	3	8	4	10	6	11	16	2	62	6.9	30	15 NW
Medicine Hat.....	50 1	110 37	2161	29 89	30 13	29 52	0 61	52	3	0	2	0	2	2	5	23	10	4	14	62			
SASKATCHEWAN—																							
Battleford.....	52 41	108 20	1620	29 82	30 12	29 46	0 56	49	3	2	0	0	1	14	0	6	4	13	24	62			
Moose Jaw.....	50 21	105 35	1753	29 78	30 08	29 43	0 65	80	2	1	3	3	6	5	1	5	26	7	37	93			
Prince Albert.....	53 10	106 6	1432	29 84	30 94	28 85	1 09	74	3	2	1	0	3	1	0	1	5	11	40	62			
Qu'Appelle.....	50 30	103 47	2115	29 85	30 13	29 49	0 64	71	4	2	4	4	5	7	8	18	5	8	3	62	9.5	28	22 W
Swift Current.....	50 20	107 45	2439	29 81	30 16	29 18	0 68	60	4	0	2	3	3	6	9	19	9	9	2	62	11.3	33	1 SW
MANITOBA—																							
Le Pas.....	53 49	101 15	860	29 94	30 17	29 18	0 99	75	4	0	5	5	7	5	9	13	13	4	1	62			
Minnedosa.....	50 15	99 50	1699	29 91	30 28	29 12	0 86	81	4	2	6	1	9	3	2	6	4	13	24	62			
Winnipeg.....	49 53	97 7	760	29 91	30 26	29 40	0 86	65	4	1	5	5	7	22	14	15	2	15	8	93	11.6	28	5 SE
ONTARIO—																							
Cochrane.....	49 2	81 0	946	30 01	30 43	29 50	0 93	69	4	0	13	1	2	2	16	3	20	5	0	62	7.2	21	16 SW
Haileybury.....	47 21	79 39	687	29 99	30 28	29 53	0 75	65	5	1	9	5	1	1	2	13	7	7	16	62			
Kingston.....	44 13	76 29	285	29 18	30 28	29 56	0 62	77	4	1	3	24	2	8	11	3	7	2	2	62	7.4	22	22 S
Lindsay.....	44 20	78 45	872	29 18	29 33	28 77	0 50	—	5	3	5	10	7	8	3	29	5	8	27	93			
London.....	42 59	81 13	808	29 09	30 26	29 68	0 58	71	4	4	11	33	6	21	1	13	0	8	0	93			
Ottawa.....	45 26	75 42	294	29 93	30 27	29 57	0 70	86	4	1	2	5	23	1	1	14	8	8	0	62			
Parry Sound.....	45 19	80 9	635	30 00	30 27	29 61	0 66	78	5	5	9	3	6	9	2	9	10	10	4	62	5.3	16	17 SW
Port Arthur.....	48 27	89 12	644	30 00	30 38	29 47	0 89	78	5	3	10	14	15	15	11	4	6	12	6	93	7.2	25	16 W
Port Stanley.....	42 40	81 13	592	29 98	30 24	29 67	0 57	81	4	4	0	6	17	5	1	11	7	14	62	3.5	15	17 W	
Southampton.....	44 30	81 21	650	30 02	30 28	29 72	0 56	82	6	6	10	8	7	2	12	7	8	5	2	62	6.6	21	28 NE
Stoney Creek.....	46 9	78 6	557	30 00	30 39	29 56	0 73	87	4	0	1	2	6	0	0	9	1	43	62				
Toronto.....	43 40	79 24	350	29 99	30 26	29 66	0 60	70	4	5	7	24	2	4	1	5	2	17	0	62	9.0	24	27 NE
White River.....	48 35	85 16	1252	29 97	30 28	29 59	0 69	—	5	3	7	1	5	0	2	18	3	24	62	3.4	19	16 W	
Woodstock.....	43 8	80 47	980	29 98	—	—	—	73	—	—	9	12	9	17	4	9	5	28	0	93	7.7	20	18 NW
QUEBEC—																							
Anticosti S.W. Pt.....	49 24	63 35	30	29 88	30 29	29 47	0 82	87	4	3	19	5	1	33	18	3	0	10	4	93	7.7	26	17 S
Father Point.....	48 31	68 19	20	29 01	31 31	29 50	0 81	86	6	3	1	0	4	0	2	4	41	3	7	62			
Montreal.....	45 30	73 35	187	29 97	31 30	29 51	0 79	57	4	2	5	19	5	6	9	17	8	24	0	93	3.9	19	21 NW
Quebec.....	46 48	71 13	294	29 95	30 32	29 47	0 85	66	5	5	2	16	6	0	6	30	23	9	1	93	4.7	30	29 NE
Sherbrooke.....	45 32	72 5	620																				
NEW BRUNSWICK—																							
Chatham.....	47 3	65 29	21	29 95	30 33	29 62	0 71	73	4	1	1	4	6	4	4	21	14	7	1	62			
Fredericton.....	45 57	66 36	164	29 98	30 31	29 67	0 64	72	5	3	3	11	6	7	10	23	18	12	3	93	6.1	20	14 SW
St John's.....	45 17	66 4	70	29 97	30 25	29 70	0 55	80	5	5	2	10	5	4	30	14	2	5	21	93	6.6	26	8-14 SW
NOVA SCOTIA—																							
Halifax.....	44 39	63 36	88	29 98	30 25	29 69	0 56	84	7	11	4	8	3	9	6	10	18	4	0	62	9.6	29	21 SW
Sable Island (MStation).....	43 57	60 6	25	30 05	30 39	29 76	0 63	—	7	14	0	17	4	13	23	26	4	6	0	93	14.7	29	8 SW
Sydney.....	46 10	60 10	35	29 97	30 29	29 60	0 69	74	8	16	6	12	11	3	8	24	12	13	4	93	9.5	29	23
Truro.....	45 22	63 18	77	29 98	30 28	29 69	0 50	—	6	4	7	9	8	5	10	27	14	11	2	93			
Truro (2).....	45 25	63 15	—	30 00	30 42	29 55	0 87	—	—	—	0	4	3	5	5	8	13	2	8	43			
Wolfville.....	45 7	64 20	—	29 95	30 36	29 19	1 17	—	5	1	2	2	14	0	1	0	41	2	0	62	7.7	27	18
Yarmouth.....	43 50	66 2	65	30 01	30 26	29 74	0 52	90	6	2	6	1	8	4	7	12	11	6	7	62	8.9	27	22 SW
P. E. ISLAND																							
Charlottetown.....	46 11	63 10	38	29 96	30 29	29 70	0 59	79	6	6	3	6	2	0	8	23	0	12	8	62	6.1	19	21 SW
NEWFOUNDLAND																							
Burin.....	47 0	55 10	27																				
Fogo.....	49 43	54 17	30																				
Port aux Basques.....	47 35	50 10	27	29 95	30 31	29 56	0 75		8	16	4	1	23	5	1	3	9	10	6	62			
St. George's.....	48 27	58 31	21	29 99	31 13	29 50	0 57	56	6	6	3	3	9	2	2	16	9	18	0	62			
St. John's.....	47 34	52 42	125	29 92	30 29	29 42	0 87		6	9	9	4	12	0	8	15	5	4	5	62			
BERMUDA																							
Prospect.....	32 17	64 46	151	30 20	30 43	30 01	0 42	82	5	—	5	0	0	2	24	30	18	8	0	03			

FREQUENCY OF THE WIND FROM THE EIGHT CARDINAL POINTS AT STATIONS OF
THE SECOND CLASS, DURING THE MONTH OF JULY, 1914

STATION	DIRECTION OF WIND FROM									Total num- ber of Obs- ervations
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	C.	
ALBERTA—										
Athabasca Landing.....	0	0	0	1	7	2	13	8	0	31
Beaver Lodge.....	0	0	6	0	3	9	35	9	0	62
Didsbury.....	0	3	5	3	3	4	2	7	0	27
Halkirk (Emsburg).....	5	6	8	9	8	4	0	22	0	62
Hillsdown.....	0	2	0	11	4	3	0	26	16	62
Loveland.....	1	9	4	4	4	13	10	17	0	62
Macleod.....	0	0	0	2	3	9	33	11	0	58
Ranfurly (Waitefield).....	7	5	11	9	6	8	15	19	13	93
Sion.....	2	3	0	15	16	4	37	10	0	87
SASKATCHEWAN—										
Brownhill (Grenfell)....	2	7	3	7	6	21	3	13	0	62
Chaplin.....	1	0	3	6	14	4	21	2	11	62
Crescent Lake.....	1	3	4	5	13	16	4	7	9	62
Estevan.....	3	0	3	6	2	5	9	0	3	31
Fort Qu'Appelle.....	2	3	11	21	8	3	14	0	0	62
Indian Head.....	1	9	5	11	13	12	23	13	6	93
Kamsack.....	0	0	7	8	0	0	1	2	13	31
Larchmount (Pambrum).....	0	3	3	3	0	39	11	3	0	62
Muenster (St. Peter's Monastery).....	4	1	4	4	0	13	19	17	0	62
Onion Lake.....	7	3	3	1	0	3	9	2	0	28
Pense (Gatesgarth).....	0	0	1	9	1	8	7	5	0	31
Waseca.....	1	6	0	4	0	2	2	16	0	31
Yarbo (Fairfield).....	2	3	1	2	5	4	11	1	2	31
MANITOBA—										
Berens River.....	2	7	3	10	2	26	12	7	7	76
Brandon.....	9	7	5	6	18	21	9	14	4	93
Hillview.....	5	7	5	8	8	8	7	4	10	62
Moose Horn Bay (Aitkensville).....	10	0	6	5	4	11	16	4	6	62
Morden.....	12	2	4	3	14	5	11	3	8	62
Oak Bank.....	6	5	2	4	8	14	13	5	0	57
ONTARIO—										
Agincourt.....	7	5	28	20	5	6	3	19	0	93
Alton ..	26	0	28	2	4	1	19	13	0	93
Beatrice.....	12	1	1	8	4	3	2	11	51	93
Birnam.....	17	3	2	5	10	1	4	13	7	62
Brucefield.....	7	2	5	4	6	3	5	30	0	62
Cottam.....	21	1	10	15	4	2	3	2	0	58
Guelph.....	10	3	12	17	5	6	8	24	28	93
Gravenhurst.....	2	2	2	6	5	1	10	3	0	31
North Bruce.....	4	9	2	3	1	4	3	5	0	31
Orillia.....	3	31	18	0	0	25	15	1	0	93
Port Dover.....	2	0	5	1	0	2	1	5	15	31
Stoney Creek.....	3	31	18	0	0	25	15	1	0	93
Wexford.....	2	0	5	1	0	2	1	5	15	31
QUEBEC—										
Abitibi.....	22	3	4	5	19	3	26	5	0	87
Anticosti, Heath Point.....	1	12	8	1	2	10	42	5	12	93
Anticosti, West Point.....	8	16	2	0	39	6	10	12	0	93
Bicquet.....	1	7	0	0	2	39	8	1	35	93
Brome.....	17	8	4	2	9	7	40	3	3	93
Cape Chatte.....	0	0	3	0	0	0	54	0	36	93
Cape Magdalen.....	0	0	0	3	18	7	3	37	25	93
Cap Rouge.....	3	4	0	0	0	2	0	22	0	31
Cedars.....	4	6	5	0	0	8	5	3	0	31
Chicoutimi.....	0	27	0	12	0	13	2	15	24	93
Clarke City.....										
NEW BRUNSWICK—										
Dalhousie.....	0	0	12	0	0	0	13	0	5	30
Moncton.....	1	4	1	4	5	5	4	7	0	31
Pt. Lepreaux.....	2	4	20	4	2	26	10	13	0	81
Sussex.....	1	8	0	0	1	5	4	4	8	31
NOVA SCOTIA—										
Kentville.....	2	2	2	2	4	0	17	2	0	31
Liverpool.....	1	1	16	0	1	5	2	5	0	31
Sable Island, E. Pt.....										
Whitehead.....	4	0	8	1	2	14	1	1	0	31

MEAN PROPORTION OF BRIGHT SUNSHINE REGISTERED IN EACH HOUR OF THE DAY IN THE MONTH OF
JULY 1914

STATION.	HOURS ENDING																	
	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.
British Columbia																		
Shawnigan Lake .....			.80	.77	.78	.74	.78	.81	.85	.82	.78	.74	.78	.77	.30	.47		
Victoria .....		.01	.53	.72	.78	.83	.81	.81	.87	.85	.79	.77	.69	.69	.80	.56		
Salmon Arm .....		.01	.59	.67	.74	.80	.80	.72	.68	.69	.67	.70	.64	.61	.63	.54	.05	
Nanaimo .....		.09	.55	.67	.61	.72	.70	.77	.77	.76	.66	.68	.73	.73	.63	.44	.04	
Sidney .....		.12	.67	.77	.80	.77	.77	.81	.88	.90	.85	.77	.75	.80	.86	.55	T	
Vancouver .....		.04	.52	.79	.85	.74	.70	.71	.71	.80	.72	.69	.69	.75	.72	.60	.10	
Agassiz .....				.20	.55	.68	.76	.74	.76	.76	.77	.79	.69	.62	.52	.13		
Tranquille .....			.33	.68	.75	.78	.85	.82	.80	.78	.74	.77	.71	.63	.56	.38	.04	
Summerland .....		.14	.75	.86	.87	.84	.84	.77	.80	.77	.76	.76	.76	.71	.68	.36		
Kamloops .....		.10	.57	.71	.78	.80	.81	.74	.80	.75	.70	.69	.62	.56	.51	.42	.10	
Harper's Ranch																		
Invermere .....		.06	.60	.78	.77	.83	.84	.85	.80	.82	.76	.72	.66	.61	.63	.42	.02	
Alberta																		
Edmonton .....		.17	.53	.62	.67	.76	.80	.82	.86	.81	.81	.78	.72	.67	.60	.47	.08	
Lethbridge .....		.17	.76	.79	.87	.90	.90	.85	.87	.89	.83	.79	.81	.85	.81	.78	.59	
Lacombe .....			.29	.57	.73	.80	.85	.89	.86	.84	.84	.85	.74	.61	.59	.57	.12	
Medicine Hat .....		.17	.82	.88	.90	.92	.91	.87	.91	.87	.86	.90	.85	.77	.75	.68	.18	
Fort Dunvegan .....			.35	.73	.83	.86	.80	.85	.79	.78	.69	.56	.53	.53	.46	.17		
Fort Vermilion .....	.07	.51	.71	.79	.71	.70	.64	.71	.75	.78	.79	.73	.70	.68	.67	.48	.31	.05
Saskatchewan																		
Battleford .....		.10	.58	.68	.77	.80	.83	.86	.81	.77	.82	.61	.77	.78	.70	.62	.14	
Indian Head .....			.25	.64	.72	.77	.85	.87	.85	.87	.82	.79	.78	.69	.57	.37		
Mooselaw .....		.42	.72	.75	.84	.82	.84	.85	.82	.81	.78	.80	.80	.74	.72	.65	.26	
Scott .....	.02	.43	.72	.73	.78	.82	.77	.78	.73	.75	.76	.81	.82	.73	.33	T		
Rosthern .....		.25	.65	.68	.71	.83	.81	.81	.87	.79	.81	.77	.72	.64	.65	.62	.32	
Manitoba																		
Brandon .....			.01	.25	.72	.73	.77	.78	.83	.87	.89	.85	.84	.72	.37	.02		
Winnipeg .....		.09	.53	.61	.69	.74	.76	.72	.72	.80	.77	.70	.75	.73	.64	.53	.04	
Le Pas																		
Ontario																		
Halleybury .....		.07	.54	.68	.67	.68	.71	.70	.68	.70	.72	.74	.73	.70	.61	.47	.09	
Woodstock .....			.18	.49	.67	.68	.72	.70	.71	.74	.75	.76	.71	.62	.61	.39	T	
Lindsey .....				.24	.59	.65	.67	.71	.67	.64	.64	.63	.62	.54	.42	.03		
Barrie .....			.33	.48	.55	.64	.73	.68	.68	.70	.71	.63	.59	.57	.48			
Guelph																		
Toronto .....			.22	.60	.67	.67	.72	.72	.76	.73	.71	.69	.66	.60	.50	.42	.07	
Kingston .....		.01	.35	.65	.73	.74	.71	.74	.74	.73	.65	.62	.68	.59	.51	.40	.02	
Ottawa .....		.04	.57	.67	.70	.69	.73	.79	.78	.75	.68	.66	.66	.61	.63	.54	.04	
Quebec																		
Montreal .....			.40	.69	.73	.76	.76	.82	.82	.73	.77	.72	.56	.62	.56	.17		
Cap Rouge .....		.02	.34	.55	.66	.73	.72	.75	.79	.73	.64	.68	.69	.68	.62	.44	.01	
Quebec .....			.24	.47	.55	.67	.70	.74	.76	.75	.67	.70	.73	.70	.61	.36		
Ste. Anne de la Pocatiere	T	.45	.59	.64	.63	.74	.82	.74	.81	.75	.63	.69	.63	.60	.49	.10		
Sherbrooke																		
New Brunswick																		
Fredericton .....			.33	.47	.57	.62	.64	.63	.61	.64	.64	.65	.62	.65	.55	.55	.26	
Prince Edward Island Charlottetown .....		.68	.38	.47	.49	.51	.59	.64	.61	.59	.64	.66	.66	.67	.60	.33		
Nova Scotia																		
Nappen .....		.18	.35	.47	.56	.61	.64	.59	.70	.74	.71	.68	.64	.66	.48	.16		
Wolfville .....	.03	.41	.60	.65	.57	.69	.58	.61	.60	.65	.67	.66	.60	.57	.49	.14		
Kentville .....		.22	.44	.52	.58	.58	.62	.63	.63	.64	.67	.60	.56	.49	.46	.07		

SUMMARY OF SUNSHINE RECORDS

JULY, 1914	Shawigan Lake	Victoria	Salmon Arm.	Nanaimo.	Sidney	Vancouver.	Agassiz.	Tranquille.	Sumnerland.	Kanloops.	Harper's Ranch.	Invermere.	Edmonton.	Lethbridge.	Iacombe.	Medicine Hat.	Fort Dunvegan	Fort Vermilion	Battleford.	Indian Head	Moose Jaw.	Scott.	Rosethorn.	Brandon.	Winnipeg.	Le Pas	Halleybury.	Woodstock.	Lindsay.	Bartle.	Guelph	Toronto.	Kingston.	Ottawa.	Montreal.	Cap Rouge.	Quebec.	Ste. Anne de la Poutriere	Sherbrooke.	Frederton.	Charlottetown.	Napan.	Wolfville	Kentville
Registered duration in hours.....	310	329	295	296	342	314	247	299	330	299	315	316	336	315	381	276	334	336	305	360	369	340	267	304	293	270	218	240	...	271	275	296	286	280	268	289	261	246	253	255	239
Percentage of possible duration....	51	68	60	61	71	64	51	61	68	61	63	62	79	63	78	53	62	67	62	73	62	54	55	62	..	61	58	47	51	58	60	63	68	59	56	60	55	52	54	54	51
Difference from average.....	-	+ 8	-	+ 1	1	1	+ 5	-	-	-	-	-	-	-	-	-	-	+ 14	7	-	-	-	+ 2	+ 2	-	+ 1	- 9	- 6	...	- 2	+ 2	+ 9	+ 9	-	+ 9	-	+ 5	-	-	-	
Maximum percentage in one day....	85	89	90	92	92	92	76	90	90	95	90	93	97	89	94	81	96	92	84	96	85	96	78	91	94	91	77	86	...	92	92	94	94	93	88	95	92	93	88	94	93
Date of maximum.,	17	3	17	15	6-17	15	29	20	28	31	17	30	28	17	17	12	30	27	18	22	22	22	30	20	21	20	25	20	6	6	19	9-14	22	9	30	9-24	10	5	22	14
Number of days completely clouded.....	0	0	0	1	1	1	4	0	0	2	0	0	0	0	0	0	3	1	1	0	0	0	1	2	0	0	2	2	...	1	1	1	1	1	1	1	1	1	5	2	2	4

Thunder recorded:

1. Sion, Sioux Lookout, Montague, Woodstock, N.B., North Gower, Stonecliffe, Springdale, Sable Island.
2. Chaplin, Whitewood, Creseent Lake, Port Burwell, Springdale, Sion, Loveland.
3. Deloraine, Saskatoon, Haleyonia, Muenster, Sioux Lookout, Kakabeka Falls, Nipigon, Ignace, Schreiber, Morden, Oakbank, Dauphin, Banff, Halkirk, Edmonton, Minnedosa, Westley, Perry Siding, Nakusp, Port Arthur, Winnipeg, Anglia, Ranfurly, Springdale, Athabasca Landing, Sion, Campsie.
4. Saskatoon, Brandon, Banff, Nakusp, East Arrow Park, Dunstable, Springdale, Ronalane, Sion, Perbeck, Loveland, Hillsdown, Expanse Coulee, Campsie, Beaver Lodge, Halkirk, Brownhill.
5. Rapid City, Deloraine, Chaplin, Saskatoon, Creseent Lake, Morrisburg, Brome, Shawinigan Falls, Banff, Calgary, Minnedosa, Kelowna, Wilmer, Nakusp, Keremeos, East Arrow Park, Ottawa, Montreal, Huberdeau, Causapscal, Nicolet, Sorel, Hillsvievw, Swan Lake, Morden, Almasippi, North Gower, Aitkensville, Ranfurly, Pekisko, Athabasca Landing, Sion, Long Lake, Brownhill, Fort Vermilion.
6. Savanne, Calgary, Swift Current, Revelstoke, Springdale, Perbeck, Loveland, Beaver Lodge, Gull Lake, Brownhill, Fort Vermilion II.
7. Rapid City, Chaplin, Pense, Haleyonia, Creseent Lake, Owen Sound, Sion, Ranfurly, Springdale, Halkirk, Campsie, Beaver Lodge, Brome, Shawinigan Falls, Drummondville, Hillview, Almasippi, Ninette, Oakbank, Treherne, Edmonton, Prince Albert, Moose Jaw, Muenster, Dunstable, Fort Qu'Appelle, Brownhill, Fort St. James.
8. Creseent Lake, Savanne, Dryden, Morrisburg, Georgetown, Paris, Hamilton, Drummondville, Moncton, Sutherland River, Brandon, Fredericton, Sion, Aitkensville, Gravenhurst, Swift Current, Qu'Appelle, Minnedosa, Ranfurly, Brownhill.
9. Westport, Imperial, Haleyonia, Muenster, Savanne, Sioux Lookout, Madoc, Kakabeka Falls, Schreiber, Almasippi, Oakbank, Woodstock, Ont., Gravenhurst, Edmonton, Chilcotin, Port Arthur, Springdale, Sion, Campsie, Babine Lake.
10. Westport, Rutherglen, Bisco, Savanne, Sioux Lookout, Madoc, Wawaitin, Sion, Long Lake, Morrisburg, Haliburton, Almonte, Haileybury, Montague, Nipigon, Huberdeau, Mistassini, Chicoutimi, Maniwaki, Morden, Almasippi, Gravenhurst, Medicine Hat, Swift Current, Qu'Appelle, Salmon Arm, Hydraulie, Cochrane, Port Arthur, Parry Sound, Montreal, Muenster, Dunstable, Beaver Lodge, Gull Lake, Fort St. James.
11. Emsdale, Westport, Rapid City, Pambrum, Saskatoon, Haleyonia, Muenster, Beatrice, Madoc, Kakabeka Falls, Nicolet, Haliburton, Norwood, Ignace, Renfrew, Brome, Abitibi, Beauceville, D'Israeli, Shawinigan Falls, Sion, Cedars, Sorel, Glacier, East Arrow Park, Crawford Bay, Chilcotin, Armstrong, Kingston, Stonecliffe, Ottawa, Quebec, La Tuque, Huberdeau, Lake Megantic, Drummondville, Brandon, Hillview, Almasippi, Oakbank, Springdale, Campsie, Beaver Lodge, Aitkensville, Rock Creek, Gravenhurst, Minnedosa, Kelowna, Tappen, Salmon Arm, Rossland, Quesnelle, Princeton, Nelson, Keremeos, Hydraulie.
12. Warton, Saskatoon, Haleyonia, Birnam, Kakabeka Falls, Paris, St. Lin, Sion, Hillsdown, Expanse Coulee, Alix, Red Deer, Kentville, Parrsboro, Sussex, East Arrow Park, Enderby, Armstrong, Winnipeg, Port Stanley, Sydney, Fredericton, Woodstock, Ont., Invermere, Lundbreck, Banff, Calgary, Kelowna, Boswell, Wilmer, Westley, Tappen, Summerland, Salmon Arm, Richlands, Quesnelle, Nakusp, Monte Creek, Grand Forks, Golden, Glacier, Anglia, Rosthern, Creebank Ranch, Ponoka, Ranfurly, Springdale, Okotoks, Loveland, Babine Lake.
13. Chaplin, Imperial, Saskatoon, Haleyonia, Rosthern, Muenster, Alton, Loveland, Lundbreck, Halkirk, Campsie, Beaver Lodge, Rutherglen, Birnam, Clinton, Paris, Port Dover, London, Lindsay, Rathmullen, Banff, Medicine Hat, Swift Current, Gateway, Boswell, Wilmer, Sion, Vavenby, Salmon Arm, Rossland, Richlands, Nelson, Monte Creek, Grand Forks, Fruitlands, Port Arthur, Port Stanley, Port aux Basques, Toronto, Tranquille, Anglia, Jumping Pound, Mayeroff, Ranfurly, Springdale, Macleod, Perbeck, Mountain View.

14. Pense, Halcynia, Kindersley, Melfort, Clinton, Georgetown, Aitkensville, Halkirk, Edmonton, Prince Albert, Moose Jaw, Gateway, Vavenby, Richlands, Pemberton Meadows, Port Stanley, London, Ranfurly, Springdale, Sion, Perbeck, Loveland, Hillsdown, Fort Vermilion.
15. Whitewood, Halcynia, Crescent Lake, Sioux Lookout, Morrisburg, Ignace, Windsor, N.S., Aitkensville, Qu'Appelle, Minnedosa, Tappen, Fruitlands, Armstrong, Port Stanley, Creebank Ranch, Sion, Lundbreck, Hillsdown, Expanse Coulee.
16. Westport, Alton, Sioux Lookout, Kakabeka Falls, Nipigon, Abitibi, North Gower, Prince Albert, Port Arthur.
17. Rutherglen, Madoc, Lakefield, Almonte, Port Dover, Montague, Brome, Sion, Chicoutimi, Beauceville, Ottawa, Montreal, Quebec, St. George's, La Tuque, D'Israeli, Shawinigan Falls, Huberdeau, Mistassini, Cap Rouge, Ste. Anne de la Pocatiere, Tadousac, St. Lin, Nicolet, Lake Megantic, Maniwaki, Sorel, Drummondville, Almasippi, North Gower, Fredericton, Gravenhurst, Prince Albert, Stonecliffe.
18. Rutherglen, La Malbaie, Causapscal, Ste. Anne de la Pocatiere, Drummondville, Point Lepreaux, Moncton, Halifax, Sydney, Charlottetown, St. George's, La Tuque, Woodstock, N.B., Antigonish, Sussex, Liverpool, Sion, Grand Falls, Fredericton, Winnipeg, St. John, Athabasca Landing, Loveland, Sable Island, Babine Lake.
19. St. Lin, Sutherland's River, Antigonish, Liverpool, Golden, Halifax, Sion, Sydney, St. George's, Truro, Brazeau Forest, Campsie.
20. Deloraine, Yarbo, Whitewood, Pense, Halcynia, Crescent Lake, Yellow Grass, Jumping Pound, Perbeck, Loveland, Hillsdown, Sioux Lookout, Kakabeka Falls, Haliburton, Ignace, Aitkensville, Sion, Banff, Qu'Appelle, Gateway, Boswell, Salmon Arm, Nicola Lake, Muenster, Fort Qu'Appelle, Fort Vermilion II.
21. Agincourt, Savanne, Wexford, Sioux Lookout, Madoc, Lakefield, Georgetown, Norwood, Ignace, Sutherland River, Windsor, N.S., Morden, Almasippi, Treherne, Fredericton, Gravenhurst, Prince Albert, Salmon Arm, Sion, Richlands, Winnipeg, Parry Sound, Kingston, Charlottetown, Toronto.
22. Sioux Lookout, Kakabeka Falls, Haliburton, Richlands, Port Arthur, Haileybury, Truro, Springdale, Sable Island.
23. Wiarton, Westport, Crescent Lake, Wexford, Madoc, Georgetown, Morden, Sion, Almasippi, Ninette, Oakbank, Treherne, Gravenhurst, Edmonton, Boswell, Westley, Salmon Arm, Quesnelle, East Arrow Park, Chilcotin, Port Stanley, Kingston, London, Springdale, Lundbreck, Hillsdown, Expanse Coulee, Red Deer.
24. Rapid City, Whitewood, Birnam, Wawaitin, Brandon, Morden, Almasippi, Sion, Springdale, Harmattan, Perbeck, Campsie, Ninette, Aweme, La Tuque, Oakbank, Treherne, Minnedosa, Winnipeg, Dunstable.
25. Westport, Whitewood, Saskatoon, Pense, Yellow Grass, Kindersley, Melfort, Rutherglen, Wawaitin, Kakabeka Falls, Kingston, Stonecliffe, Sion, Ottawa, Montreal, Quebec, St. John, La Tuque, Morrisburg, Montague, Perbeck, Schreiber, Brome, D'Israeli, Shawinigan Falls, Cedars, Huberdeau, Cap Rouge, Ste. Anne de la Pocatiere, Sorel, Lake Megantic, Maniwaki, Drummondville, Point Lepreaux, Fredericton, Grand Falls, Hillview, Morden, Alix, Almasippi, Treherne, Banff, Swift Current, Prince Albert, Minnedosa, Quesnelle, Hydraulic, Port Arthur, Winnipeg, Ranfurly, Springdale, Hillsdown, Halkirk, Klintone, Fort St. James.
26. Savanne, Dryden, Kakabeka Falls, Nipigon, Ignace, Schreiber, Kentville, Sussex, Middleton, Oakbank, Fredericton, Qu'Appelle, Port Arthur, Sydney, Truro (2), Harmattan, Sable Island.
27. Wiarton, Deloraine, Whitewood, Crescent Lake, Alton, Wexford, Kakabeka Falls, Georgetown, Hamilton, Markdale, Morden, Fredericton, Qu'Appelle, Creston, Chilcotin, Southampton, Toronto, Truro, Sion, Babine Lake.
28. Chaplin, Whitewood, Saskatoon, Pense, Halcynia, Crescent Lake, Yellow Grass, Kindersley, Rosthern, Aitkensville, Swift Current, Qu'Appelle, Sion, Minnedosa, Dunstable, Ranfurly, Athabasca Landing, Loveland, Hillsdown, Halkirk, Campsie.
29. Crescent Lake, Rathmullen, Aitkensville, Ranfurly, Halkirk.
30. Melfort, Sioux Lookout, Abitibi, Rossland, Halkirk, Expanse Coulee.
31. Rapid City, Chaplin, Pense, Mistassini, Morden, Almasippi, Oakbank, Sion, Treherne, North Gower, Rathmullen, Aitkensville, Medicine Hat, Swift Current, Minnedosa, Westley, Perry Siding, Anglia, Creebank Ranch, Dunstable, Ponoka, Ranfurly, Springdale, Daysland, Perbeck, Loveland, Hillsdown, Halkirk, Alix, Red Deer.

Auroras recorded:

- 1.
- 2.
- 3.
4. Wawaitin, Kakabeka Falls IV, Lucknow IV, Schreiber III, Causapseal, Morden I, Southampton IV, Brownhill II.
5. Sorel, Winnipeg.
- 6.
- 7.
- 8.
9. Quebec IV.
- 10.
- 11.
12. Estevan, Aweme IV.
- 13.
- 14.
- 15.
- 16.
17. Chicoutimi.
- 18.
19. Montague.
20. Haileybury III.
21. Sioux Lookout.
22. Anglia II, Sioux Lookout, Halkirk.
23. Chaplin IV, Haleyonia, Anglia II, Sioux Lookout.
24. Larchmount, Chaplin IV, Haleyonia, Anglia II, Sioux Lookout, Dryden, Aitkensville II, Cape Magdalen, Moose Jaw, Ranfurly II, Fort Vermilion.
25. Larchmount I, Chaplin IV, Anglia II, Haliburton II, Lucknow IV, Aweme II, Qu'Appelle, Haileybury III, Fort Vermilion.
26. Anglia IV, Sioux Lookout, Aweme III, Swift Current, St. John IV.
27. Larchmount II, Waseca, Anglia I, Wawaitin, Schreiber III, Aweme III, Chinook Cove, Haileybury IV, Ranfurly III, Expanse Coulee, Brownhill IV, Fort St. James.
28. Waseca, Anglia II, Wawaitin, Kakabeka Falls, Chinook Cove, St. George's, Haileybury III, Sion III.
29. Yellow Grass, Anglia III, Rutherglen IV, Haliburton IV, Lucknow IV, Amos, Huberdeau IV, Causapseal, Morden III, Aweme III, Cape Magdalen, Gravenhurst, Edmonton III, Quebec IV, Haileybury IV, Ranfurly III.
30. Larchmount II, St. Walbury II, Anglia III, Brantford, Montague, Mistassini III, Medicine Hat, Edmonton IV, Qu'Appelle, Quebec IV, St. George's, Haileybury III, Ranfurly III, Halkirk, Sion II, Fort St. James, Fort Vermilion.
31. Anglia IV, Chicoutimi, Edmonton I, Ranfurly IV, Fort St. James.

FORECASTS FOR JULY, 1914

The forecasts issued by this office at 11 p.m. each night, are posted up at every telegraph station in Canada, and are for the 24 hours beginning at 8 a.m. the following day.

The number of these predictions issued during the month was 1262. These were divided as follows :

DISTRICT.	No. Issued.	VERIFIED.			
		No. Fully.	No. Partly.	No. Not.	Per- centage.
Alberta.....	80	54	22	4	81.3
Saskatchewan.....	81	62	15	4	85.8
Manitoba.....	81	59	19	3	84.6
Lake Superior.....	121	87	27	7	83.1
Lower Lake Region.....	117	91	21	5	86.8
Georgian Bay.....	118	90	25	3	86.9
Ottawa Valley.....	99	76	16	7	84.8
Upper St. Lawrence.....	99	79	13	7	86.4
Lower St. Lawrence.....	114	86	23	5	85.5
Gulf.....	118	80	30	8	80.5
Maritime Provinces West.....	118	82	29	7	81.8
Maritime Provinces East.....	116	86	24	6	84.5
Total.....	1262	932	264	66	84.3

In order to obtain the percentage of verification of the predictions, the number partly verified is divided by two and added to the number fully verified, and the result divided by the total number issued.

In ascertaining to what extent the predictions have been verified, the reports from the agents at all observing stations, as well as the telegraphic reports, are used.

R. F. STUPART, Director.

Meteorological Office, Toronto,
September 15th, 1914.

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